

# **Exhibit H**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Confirmation No.: 9687

Luigi Giusto SPAGNOLI et al.

Group Art Unit: 1643

Application No.: 10/590,479

Examiner: Karen A. CANELLA

Filed: July 20, 2007

Attorney Docket No.: 026073-00007

For: ANTI-CLUSTERIN OLIGOCLONAL ANTIBODIES FOR DIAGNOSIS AND  
PREDICTION OF THE AGGRESSIVENESS OF TUMOURS, DIAGNOSTIC  
METHOD AND RELATED KITS

DECLARATION UNDER 37 C.F.R § 1.132 OF  
LUIGI G. SPAGNOLI

I, Luigi G. Spagnoli, hereby declare and affirm that:

1. My curriculum vitae, including a list of my publications and credentials, is attached as Exhibit A.
2. I am a co-inventor of U.S. Patent Application No. 10/590,479.
3. I have reviewed the disclosure of U.S. Patent Application No. 10/590,479, the currently-pending claims, and the Office Action mailed on December 15, 2008 in this application.
4. I understand that the Office Action has taken the position that currently-pending claims 1, 5-10, 15, and 19-21 are anticipated by Lakins (*J. Biol. Chem.*, 273:27887-27895 (1998)), and that claims 7-9 are obvious in view of Lakins and Kerr (*Immunochemistry LabFax*, pages 118, 128-129, and 158 (1994)).

5. I have been asked to provide my expert opinion regarding the unexpected results obtained as a result of the presently-claimed invention set forth in claims 1, 5-10, 15, and 19-21, which are not exhibited by the cited art.

6. Independent claim 1 relates to oligoclonal antibodies that are able to recognize and bind the antigenic epitope of at least one glycosylated cytoplasmic or non glycosylated nuclear isoform of human clusterin in a selective and specific way, wherein the antigenic epitope of the non glycosylated nuclear isoform is selected from the group of amino acid sequences consisting of QFNWVSRLANLTQGEDQK (SEQ ID No 1), and non glycosylated TKLKEPGVCNETMMALWEE (SEQ ID No 2), and wherein the antigenic epitope of the glycosylated cytoplasmic isoform is selected from the group of amino acid sequences consisting of TKLKEPGVCNETMMALWEE (SEQ ID No 2) glycosylated at its N residue, TNEERKTLLSNLEEA (SEQ ID No 3), and METVAEKALQEYRKK (SEQ ID No 4), and wherein said epitope is immunogenic.

7. Claims 5-10, 15, and 19-21 each depend directly or indirectly from independent claim 1.

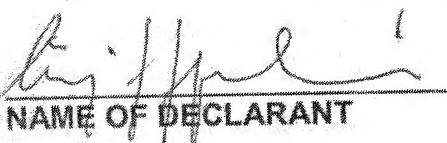
8. Tests were conducted using sandwich ELISA to assess the sensitivity and specificity of various antibodies against secreted clusterin (CLU), including antibodies against human clusterin (anti-SEQ ID NOS: 2-4), and an antibody against the rat clusterin-derived peptide NGDRIDSLLES DRQQSQ (designated anti-SEQ ID NO: 5). The antibodies were generated in rabbits, and were harvested after the fourth immunization booster.

9. Sandwich ELISA was performed by coating plates with anti-Clu- $\alpha/\beta$  (H-330, sc-8354, Santa Cruz Biotechnologies) and adding serum from healthy human controls and cancer patients. The serum CLU bound by the antibodies raised against secreted human CLU (anti-SEQ ID NOS: 2-4) and the antibody raised against glycosylated rat CLU (anti-SEQ ID NO: 5) was detected. Representative data are shown in Figure 1. All experiments were performed in triplicate.

10. The values shown in Figure 1 are for means  $\pm$  standard deviations (error bars). The oligoclonal antibodies of the present invention (anti-SEQ ID NOS: 2-4) display higher sensitivity and specificity for detecting secreted clusterin in human serum than the antibody raised against SEQ ID NO: 5. The antibody raised against SEQ ID NO: 5 could not be used to discriminate cancer patients from healthy controls, because the clusterin determination in healthy controls and cancer patients overlapped, when the standard deviations were taken into account.

11. Based on the results of the testing set forth above, I believe that a person skilled in the art, having the disclosures of Lakins and Kerr before him, would not be able to combine their disclosures to arrive at the presently-claimed invention set forth in claims 1, 5-10, 15, and 19-21. Further, I believe that a person skilled in the art, having the disclosures of Lakins and Kerr before him, would consider the level of sensitivity and specificity achieved the oligoclonal antibodies of the presently-claimed invention unexpectedly high.

All statements made herein of my own knowledge are true; all statements made herein on information and belief are believed to be true; and I acknowledge that any willful false statements and the like made herein are punishable by fine or imprisonment, or both under 18 U.S.C. §1001 and may jeopardize the validity of the application or any patent issuing therefrom.



NAME OF DECLARANT

4/7/2009  
Date

Exhibits: A – Curriculum Vitae of PROF. LUIGI GIUSTO SPAGNOLO  
B – Figure 1

# **Exhibit A**

**PROF. LUIGI GIUSTO SPAGNOLI**  
**CURRICULUM VITAE**

**Name:** Luigi Giusto Spagnoli  
Full Professor and Director of Anatomic Pathology  
University of Rome "Tor Vergata"

**Date and place of Birth:** June 4, 1942, Nerola (Rome)

**Education:**

- 1966: Doctor of Medicine, University of Rome "La Sapienza"  
1968: Specialist in Oncology, University of Rome "La Sapienza"  
1969: Specialist in General Pathology, University of Rome "La Sapienza"  
1974: Specialist in Anatomic Pathology, University of Rome "La Sapienza"

**Brief Chronology of Employment:**

- 1966-1973: Resident, Department of Pathology, University of Rome "La Sapienza"  
1973-1983: Medical Assistant, Department of Pathology, University of Rome "La Sapienza"  
1976-1983: Professor in charge of Anatomic Pathology, University of Rome "La Sapienza"  
1983: Associate Professor of Anatomic Pathology, University of Rome "Tor Vergata"  
1984-1996: Director of Post-graduate School of Pathology and Teacher in other Post-graduate Schools, University of Rome "Tor Vergata"  
1985-date: Full Professor of Anatomic Pathology, University of Rome "Tor Vergata"  
1985-1992: Director of the Department of Surgery, University of Rome "Tor Vergata"  
1987-2001: Chief of Surgical Pathology Service, S.Eugenio Hospital, Rome  
1997-date: Director of the Department of Biopathology and Image Diagnostics, University of Rome "Tor Vergata"  
1999-date: Coordinator of the Research-Doctorate "Advanced Technologies in Biomedicine" University of Rome "Tor Vergata"  
2002-date: Chief of Surgical Pathology, Policlinico Università Tor Vergata, Rome

**Professional appointments:**

- 1984 - 1987: Member of the Committee for scientific research, of Public Education Ministry  
1988 - 1991: Member of the Committee for Biotechnology and Bioinstrumentations of National Council of Research  
1999-2000: Member of Guarantee Committee of COFIN, MURST  
2001-2005: Head of IFO (Istituti Fisioterapici Ospitalieri)  
2004-2005: Member of the Working Group for Biobanks Certification, National Committee for Biosafety and Biotechnologies, Presidency of Italian Council of Ministers

- 2005-date: -Head the scientific association "Alleanza contro il Cancro"  
2004-date: Member of Scientific Committee of ENEA

### **Research Interests:**

#### Atherosclerosis and vascular pathology:

a) role of carotid thrombosis in the pathogenesis of cerebrovascular syndromes; b) correlation between the morphological aspects of human fibroatheromas plaque and the various risk factors; c) role of inflammatory cells in the development of human and experimental atherosclerotic plaque; d) study of inflammatory, metabolic and genetic markers of atherosclerotic plaque vulnerability; e) role of chlamydia pneumoniae in the pathogenesis of acute coronary syndromes; f) role of oxidative stress and oxidized lipoproteins in the progression of human atherosclerotic plaque; g) age-related morphological and morphometrical changes of cellular and interstitial tissue of arterial wall; h) role of metalloproteinases in the pathogenesis of aneurysms of abdominal aorta, of atherosclerosis and restenosis; i) role of myocardial inflammation as pathogenetic factor of coronary syndromes; l) the effect of treatment with calcium antagonist drugs on some cellular markers of hypertension in the aorta of spontaneously hypertensive rats.

#### Clinical and experimental oncology:

Breast cancer : prognostic factors; Thyroid tumour: latency, cell-C hyperplasy; Non-Hodgkin lymphoma: prognosis factors; Bladder cancer: prognosis factors.

Studies on new prognostic and diagnostic markers of tumour progression and therapeutic success: Expression and activity of new caretaker genes involved in the maintenance of genomic stability and DNA repair.

*In vitro* and *in vivo* studies in primary and metastatic colorectal cancer:

-New prognostic and predictive factors for colon carcinoma, clinical and molecular studies: new markers of aggressiveness of the tumors in situ and in serum.

Role of Clusterin in cancer

- Role of miRNA in the colon carcinoma progression

-New metabolic target validation involved in tumor progression

#### Histopathology applied to pharmacotoxicology:

1976 – date: Toxicologic histopathology consultant to Sigma-Tau pharmaceutical company

### **Present Address:**

Cattedra di Anatomia ed Istologia Patologica,  
Dipartimento di Biopatologia e Diagnostica per Immagini  
Universita' degli Studi di Roma "Tor Vergata"  
Via Montpellier, 1  
00133 Roma (Italy)

## PROF. LUIGI GIUSTO SPAGNOLI: BIBLIOGRAPHY (1967-2008)

**Total IF = 504,615**

1. U. DI TONDO, A. SPIVACH, **L. G. SPAGNOLI**: Contributo allo studio dei sarcomi del testicolo. Giorn. It. Patol. Sci. Affini, vol. XIV, n. 1, 11-30, 1967
2. A. SPIVACH, **L.G. SPAGNOLI**, L.CARILE: L'arteria trigeminale primitiva (Contributo casistico). Giorn. It. Patol. Sci. Affini, vol. XIV, n. 4, 289-308, 1967
3. F. AUTELITANO, **L.G. SPAGNOLI**, A. SPIVACH: Sul così detto "fibroepitelioma di Pinkus". Giorn. It. Patol. Sci. Affini, vol.XIV, n. 6 , 499-510, 1967
4. A. SPIVACH, **L. G. SPAGNOLI**: Su un caso di degenerazione epato-lenticolare in bambino. Giorn. It. Patol. Sci. Affini, vol. XIV, n. 6, 567-85, 1967
5. A. SPIVACH, A. BOCCONGELLI, **L. G. SPAGNOLI**:Il cancro della tiroide da irradiazione. La chirurgia Generale, vol. XIV, 1-31, 1967
6. F. AUTELITANO, **L.G. SPAGNOLI**, A. SPIVACH, U. DI TONDO:La polmonite interstiziale plasmacellulare da PneumocystisCarinii. (Contributo anatomo-clinico).Aggiorn. Malattie da Infezione, 61-90, 1968
7. F. AUTELITANO, **L.G. SPAGNOLI**:Su alcuni aspetti al microscopio elettronico rilevati in un caso di polmonite interstiziale da Pneumocystys Carinii.Aggior. Malattie da infezione, 103-10, 1968
8. A. SPIVACH, **L. G. SPAGNOLI**, L. CARILE: L'arteria trigeminale primitiva. Boll. Soc. It. Patol., vol. X, fasc. IV, 1968
9. A. SPIVACH, **L.G. SPAGNOLI**:Su un caso di degenerazione epato-lenticolare in un bambino. Boll. Soc. It. Patol., vol. X, fasc. IV, 1968
10. F. AUTELITANO, **L.G. SPAGNOLI**, A. SPIVACH: Sul cosiddetto fibro-epitelioma di Pinkus. Boll. Soc. It. Patol., vol.X, fasc. IV, 1968
11. CAVALLERO, **L.G. SPAGNOLI**, M. CAVALLERO: Nel centenario della scoperta delle isole pancreatiche: acquisizioni e prospettive morfologiche e funzionali.Boll. Atti Accadem. Med. Roma, vol. 93-94, 237-245, 1969
12. C.D. BARONI, U. DI TONDO, **L. G. SPAGNOLI**, P.C. PESANDO: Macrofagi e risposte immunitaria. I. Effetti del blocco dei macrofagi peritoneali sulla risposta immunitaria primaria in topi BALB/c. Studio istologico ed immunologico in funzione del tempo di somministrazione dell'agente bloccante.La Ricerca, vol.1, n. 1, 110-132, 1971
13. C. CAVALLERO, U. DI TONDO, P.L. MINGAZZINI, **L.G. SPAGNOLI** and M. CAVALLERO: Cellular proliferation in the arterial walls of Experientia, vol. 28, 265-266, 1972
14. C. CAVALLERO, U. DI TONDO, P.L. MINGAZZINI, P. PESANDO, **L. G. SPAGNOLI**: La proliferazione cellulare nella genesi dell'aterosclerosi e di altre arteriopatie.III Giornate Mediche di Bardonecchia, 1972

15. C. CAVALLERO, L.G. SPAGNOLI: Anatomia, embriologia e morfogenesi del pancreas  
Trattato Italino Medicina Interna USES Ed. Sc. Firenze, 1103-1111, 1973
16. L.G. SPAGNOLI, M. COLANTUOMO, A. BASOLI, F.A. STRANO ROSSI:A proposito di  
alterazioni da tubo cuffiato: rilievi istopatologici.Atti Soc. It. Chirurgia Ed. Piccin Padova, vol. 2, 158-  
189, 1973
17. C CAVALLERO, L. G. SPAGNOLI, L. FILSTO and M. CAVALLERO: Ultrastructural islet  
changes in pituitary dwarf mice after SHT treatment.VIII Congress of Int. Diabetes Fed. Brussels,  
1973. Abstract book.
18. C. CAVALLERO, U. DI TONDO, P.L. MINGAZZINI, P.C. PESANDO and L.G. SPAGNOLI  
Cell proliferatin in the atherosclerotic lesions of cholesterol-fed rabbits. Part II Histological,  
ultrastructural and radioautographic observations on epinephrine-treated rabbits.Atherosclerosis, 17,  
49-62, 1973
19. C. CAVALLERO, U. DI TONDO, L. G. SPAGNOLI:Effects of glucocorticoids on cell proliferation  
of the arterial wall.Acta morphologica (Academiae Scientiarum Hungaricae),suppl. XIV, 18, 1973
20. C. CAVALLERO, L. G. SPAGNOLI AND M. CAVALLERO: Early mitochondrial calcifications in  
the rabbit aorta after adrenaline.Virchows Arch. A Path. Anat. and Histol. 362, 23-39, 1974
21. C. CAVALLERO, L. G. SPAGNOLI and M. CAVALLERO :Ultrastructural study of the human  
pancreatic islets.Arch. Histol. Jpn., vol 36, n. 4, 307-321, 1974
22. G.C. PIETRA, L. G. SPAGNOLI and A. P. FISHMAN: Permeability of pulmonary and muscle  
capillaries to lipid-insoluble macromolecules.Respiratory adaptations, capillary exchange and reflex  
mechanisms.Ed. by A.S. Paintal and P. Gill-Kumar, 145-152.
23. G.C. PIETRA, L. G. SPAGNOLI, D.M. CAPUZZI, J.B. MARSH and A. P. FISHMAN: Lipoprotein  
uptake by the lungAm. J. Pathol., 78, 10 a, 1975
24. C. CAVALLERO, C. DE LELLIS, U. DI TONDO, P. MINGAZZI, S. NATOLI, N. PERICOLI, P.  
PENSANDO, L. G. SPAGNOLI, S. VILLASCHI : Reactive and proliferative changes of the arterial  
smooth muscle in experimental atherosclerosis: hormonal control.  
The Arterial Wall in Atherogenesis Ed. Piccin Padova, 25-42, 1975
25. G.C. PIETRA , L.G. SPAGNOLI, D.M. CAPUZZI, J.B. MARSH and A.P. FISHMAN :  
Ultrastructural localization in rat-lung of  $^{125}$ I-peptide labeled lipoproteins.Amer. Rev. of Resp. Dis.,  
vol. 111, n. 6, 929, 1975
26. C. CAVALLERO, U. DI TONDO, P. MINGAZZINI, L.G. SPAGNOLI :Studi ultrastrutturali ed  
istoautoradiografici sulla placca aterosclerotica sperimentale.Minerva Medica, vol. 66, n. 79, 4168-  
4179, 1975
27. C. CAVALLERO, L.G. SPAGNOLI, S. VILLASCHI, R. NICOSIA: Istopatologia della nefropatia  
diabetica.Atti Giornate Diabetologia Mediterraneo. Ed. Boehringer Biochemia Milano, 17-21, 1975
28. C.CAVALLERO, C. DE LELLIS, U. DI TONDO, P. MINGAZZINI, S. NATOLI, N. PERICOLI,  
P.PENSANDO, G. RICEVUTI, P.SARTI, L.G. SPAGNOLI, E. TUROLLA, S. VILLASCHI : Studi

ultrastrutturali ed istoautoradiografici sulla aterosclerosi sperimentale. Morgagni, vol. VIII, n. 3-4, 41-58, 1975

29. **L.G. SPAGNOLI** :L'endotelio.

Gazzetta Sanitaria. Aspetti biologici dell'aterosclerosi.

Anno XLVII, n. 1, 3-13, 1975

30. C. CAVALLERO, **L.G. SPAGNOLI** and S. VILLASCHI :An electron microscopic study of human pancreatic islets.Endocrine gut and pancreas. Ed. T. Fujita Amsterdm, 61-71, 1976

31. **L.G. SPAGNOLI**, S. VILLASCHI, R. NICOSIA, P. SARTI, C. CAVALLERO: Cellule argentaffini nelle isole pancreatiche del ratto. XVI Congresso Naz. Soc. It. Endocrinologia Bari 1976 Abstract book

32. C. CAVALLERO, **L.G. SPAGNOLI** :Generalità di citologia normale e patologica Trattato di Citopatologia e Citodiagnostica Ed. D.E.M.I.

33. C. CAVALLERO, **L.G. SPAGNOLI** and S.VILLASCHI :Osmium dependent argentaffin reaction in the pancreatic islet.Arch. Histol. Jpn., vol. 39, n. 5, 319-326, 1976

34. G.C. PIETRA, **L.G. SPAGNOLI**, D.M. CAPUZZI, C.E. SPARKS, A.P. FISHMAN and J.B. MARSH:Metabolism of I-125-labeled lipoproteins by the isolated rat lung.J. cell. Biol., vol. 70, 33-46, 1976

35. C. CAVALLERO, U.DI TONDO, P.L. MINGAZZINI, R. NICOSIA, M.N. PERICOLI, P. SARTI, **L.G. SPAGNOLI** and. S. VILLASCHI Cell proliferation in the atherosclerotic plaques of cholesterol-fed rabbits. Part 3.Histological and radioautographic observations on glucocorticoids-treated rabbits.Atherosclerosis, 25, 145-152, 1976

36. **L.G. SPAGNOLI**, R. NICOSIA, S. VILLASCHI and C. CAVALLERO:Smooth muscle cell response to endothelial injury.Prog. Biochem. Pharmacol. (Karger, Basle), vol. 13, 94-98, 1977

37. **L.G. SPAGNOLI** and G.C. PIETRA:Morphological studies on the lipoprotein catabolism in the lung.European Meeting on Metabolism. Padova 1977. Abstract book, 57

38. C. CAVALLERO, P. SARTI and **L. G. SPAGNOLI**: Proliferation of arterial smooth muscle: glucocorticoid effect.Prog. Biochem. Pharmacol. (Karger, Basel), vol. 13, 88-93, 1977

39. **L.G. SPAGNOLI**, F. PACE, L. MOLARI, L. NERI and C. CAVALLERO:Is the smooth muscle-endothelial cell unit a morphological and functional entity?Conference on Atherosclerosis. Milano 1977. Abstract book, 220

40. C. CAVALLERO, **L.G. SPAGNOLI**:Fisiopatologia della cellula muscolare liscia dell'arteria. Minerva Angiologica, vol. 2, n. 1, 1-4, 1977

41. **L.G. SPAGNOLI**, G.C. PIETRA, S. VILLASCHI, L. NERI and C.CAVALLERO:Lipoprotein lipase activity in the lung : a morphological approach.Diabetes, Obesity and Hyperlipidemias. G. Crepaldi, P.J. Lefebvre, K.G.M.M. Alberti Eds. Academic Press, London, 331-335, 1977

42. C. CAVALLERO, F. PACE, L. MOLARI, S. VILLASCHI and L. G. SPAGNOLI: The role of endothelial injury in atherogenesis. P.J. Lefebvre, K.G.M.M. Alberi Eds. Academic Press, London, 339-346, 1977
43. C. CAVALLERO, L.G. SPAGNOLI, F. PACE, L. NERI, S. VILLASCHI: Immune factors in the response of the arterial wall to the endothelial injury. Simp. Int. Immunità e Aterosclerosi Firenze 1978. Abstract book, 21
44. C. CAVALLERO, L. G. SPAGNOLI, P. SARTI, R. NICOSIA, L. NERI: Behaviour of the intimal thickenings under repeated intravenous lipid infusions. 5 Hungarian Arteriosclerosis Conference Kecskemet (Hungary) 1978 Abstract book, 62
45. L.G. SPAGNOLI, S. VILLASCHI, C. CAVALLERO: Myo-endothelial junctions in rabbits carotid arteries: their possible role in the arterial wall homeostasis. 5 Hungarian Arteriosclerosis Conference Kecskemet (Hungary) 1978 Abstract Book, 63
46. L.G. SPAGNOLI, S. VILLASCHI, L. NERI: Ruolo dei fattori parietali nell'aterogenesi. Atti Convegno sui più recenti progressi nello studio della terapia prevenzione delle dislipidemie e dell'aterosclerosi. Ed. MIDY Milano, 1-5, 1979
47. M. MILLEFIORINI, L.G. SPAGNOLI, C. ANTONINI, F. CORTESANI, M. MAZZOCCO, L. NERI, G. PALLADINI: Cerebellar paraneoplastic degeneration. Neuropathological and biological observations. Acta Neurologica, vol. 1 (XXXIV), n. 3, 321, 1979
48. L.G. SPAGNOLI: Fattori parietali nell'aterogenesi: fisiopatologia della parete arteriosa. Atti Simposio Aterosclerosi: Problemi di Patologia e Terapia 1979
49. P. FIORANI, L.G. SPAGNOLI, V. FARAGLIA, F. SPEZIALE, S. VILLASCHI, E. MOLLICA, G.R. PISTOLESE: Caratteri clinici, angiografici e morfologici delle arteriopatie dell'adulto giovane. Atti 1 Congr. Soc. Naz. It. Chir. Vasc. Bologna 1979. Ed. M. D'addato, L. Pedrini, A. Stella, 549-557
50. L.G. SPAGNOLI, S. VILLASCHI, L. NERI: Risposta della parete arteriosa al danno endoteliale: possibile ruolo delle giunzioni inter-endoteliali nella risposta riparativa. Simp. Naz. Trombosi, Diabete, Ipertensione sistolica e Mal. Aterosclerotica, Roma 1979, Abstract book
51. C. CAVALLERO, S. VILLASCHI, F. PACE and L.G. SPAGNOLI: Role of acute serum sickness in the response of arterial wall to endothelial injury. Immunity and Atherosclerosis. Constantinides P., Pratesi F., Cavallero C., Di Perri T. Eds. Academic Press, London, 79-89, 1980
52. L.G. SPAGNOLI, S. VILLASCHI, G. ODDI and G. COCCHIERI: Ultrastructural observations on two parathyroid adenomas. Tumori, 66, 397-404, 1980
53. V. CANGEMI, P. VOLPINO A. DE CESARE, G. GALATI, E. FIORI, L. ANELLI, L. G. SPAGNOLI: Studio istologico e ultrastrutturale del fegato dopo "trauma chirurgico prolungato". Ricerca sperimentale. Il Policlinico - Sez. Chirurgica, vol. 87, n. 6, 1-8, 1980
54. M. MILLEFIORINI, G. ANTONINI, F. CORTESANI, M. MAZZOCCO, L.G. SPAGNOLI, L. NEI, G. PALLADINI: Cerebellar paraneoplastic degeneration. Neuropathological and biological observations. Acta Neurologica, N.S. 2 (XXXV), n. 1, 23-30, 1980
55. L. G. SPAGNOLI, V. FARAGLIA, S. VILLASCHI, M. TAURINO, L. NERI and P. FIORANI:

Autoradiographic studies on human occlusive arterial diseases.XII World Congress of Angiology.  
Athenes 1980, Abstracts book, 295

56. **L.G. SPAGNOLI**, S. VILLASCHI and G. PIETRA: Intercellular junctions in the regenerating endothelium. 2. International Austrian Atherosclerosis Conference, Vienna 1980  
W. Aurwald, H. Sizinger, K Widhalm, Eds. Suppl. III ad vol. 4 (190)
57. B. ANTOCI, G. BAROLDI, G. COSTANZI, S. DENTI, G. FLORETTI, P. LUZZI, F. MARIANI, V. MINGIONI, L. NERI, S. PITTALUNGA, M. ROCCO, V. SFORZA, **L.G. SPAGNOLI**, P. TANGANELLI, P. TOTI, S. VILLASCHI, G. WEBER: Atherosclerotic plaque in heart and brain arteries. 1st International workshop on ischemic heart and brain disease. Special Program on preventive medicine. "Atherosclerosis plaque heart and brain arteries. 1st International workshop on ischemic heart and brain disease. Special Program on preventive medicine. "Atherosclerosis" project. CNR ed., Rome 1980, 18-23
58. B. ANTOCI, G. BAROLDI, G. COSTANZI, S. DENTI, G. FLORETTI, P. LUZZI, F. MARIANI, V. MINGIONI, L. NERI, S. PITTALUNGA, M. ROCCO, V. SFORZA, **L.G. SPAGNOLI**, P. TANGANELLI, P. TOTI, S. VILLASCHI, G. WEBER: Coronary and brain arterial obstructive lesions in relation to tissue damage. 1st International workshop on ischemic heart and brain disease. Special Program on preventive medicine. "Atherosclerosis" project. CNR ed., Rome 1980, 24-26
59. **L. G. SPAGNOLI**, L. NERI, S. VILLASCHI, L. FIORINI, V. CAMARDA, P. RIZZO: Significato delle modificazioni ciliari dell'epitelio respiratorio nasale in soggetti affetti da retinite pigmentosa ed ipoacusia. Pathologica, 1-13, 1980
60. **L.G. SPAGNOLI**, S. VILLASCHI, L. NERI, G. PALMIERI, L. RANAZZI: Modulazione della risposta riparativa al danno vasale in relazione alle condizioni della parete. Suo ruolo nell'aterosclerosi. Minerva Angiologica, vol. 5, n. 2, 67-75, 1980
61. **L.G. SPAGNOLI**, A. MAURIELLO: Basi morfo-funzionali della permeabilità della membrana alveolo-capillare e suo ruolo nella fisiopatologia dell'edema polmonare. Atti IV Congresso Nazionale Soc. It. Anatomia Patologica. Atti Acc. Peloritana dei Pericolati. Suppl. n. 2, vol. LXIX, 91-100, 1981
62. G. PIETRA, **L.G. SPAGNOLI**, S. VILLASCHI, L. JOHNS: Morphometric analysis of gap-junction in regenerating arterial endothelium. Fed. Proc. 40, n. 3, 1981 (Faseb Annual Meeting, Bethesda 1981)
63. **L. G. SPAGNOLI**, S. VILLASCHI, G. PALMIERI: Fattori parietali nell'aterogenesi: i modulatori della risposta della parete vasale al danno. Riunioni fiorentine aggiornamento in Angiologia. Firenze 1981. Abstracts, 34, 1981
64. **L. G. SPAGNOLI**, S. VILLASCHI, L. NERI, G. PALMIERI, M. TAURINO, V. FARAGLIA, and P. FIORANI: Autoradiographic studies of the smooth muscle cells in human arteries. Paroi Artérielles/Arterial Wall, vol. VIII, n. 3, 107-112, 1981
65. P. CARBONI, G. PORRO, **L.G. SPAGNOLI**, S. VILLASCHI and P. BENEDETTI: Contributo alla diagnosi delle ipotonie del lattante di origine neuromuscolare. Rivista Neurobiologia, vol. XXVII, fasc. 3-4, 744-749, 1981
66. **L. G. SPAGNOLI**, G.G. PIETRA, S. VILLASCHI and L.W. JOHNS: Morphometric analysis of gap-junctions in regenerating arterial endothelium. Lab. Invest., vol. 38, 124-125, 1982

67. **L.G. SPAGNOLI**, S. VILLASCHI, L. NERI and G. PALMIERI :Gap junctions in myo-endothelial bridges of rabbit carotid arteries.*Experientia*, vol. 38, 124-125, 1982
68. E. CARAPELLA DE LUCA, M. STEGAGNO, R.M. CORBO, A. SIGNORETTI, S. VILLASCHI and **L. G. SPAGNOLI**: Immunodeficienza combinata grave con deficit di denosin deaminasi: decorso fatale in una lattante al 3° mese di vita.*Le Immunodeficienze Primitive in Italia: Field Educational Italia*, 37-46, 1982
69. **L. G. SPAGNOLI**, L. NERI, G. PALMIERI, S. VILLASCHI: Changes of reactivity of the arterial wall according to age.*International Symposium on "Occlusive Arterial Diseases of the lower limbs in young patients". Roma 1982. Abstracts*, 29, 1982
70. P. FIORANI, V. FARAGLIA, **L. G. SPAGNOLI**, M. TAURINO, G.R. PISTOLESE:Relationship between clinical findings, morphological aspects and the results of surgical therapy.*International Symposium on "Occlusive Arterial Diseases of the lower limbs in young patients". Roma 1982. Abstracts*, 98, 1982
71. **L. G. SPAGNOLI**, M. CORSI, S. VILLASCHI, G. PALMIERI, F. MACCARI: Myocardial carnitine deficiency in acute myocardial infarction.*The Lancet*, june 19, 1419-1420, 1982
72. F. TONELLI, G. TAMBURRANO, G. SIMONETTI, **L. G. SPAGNOLI**, R. MACERATINI, G. FEGIZ :Problemi di attualità nella diagnosi, localizzazione e trattamento dei tumori beta-insulari.*Chirurgia, Arch. Trim.*, 6 (suppl. 3), 69-83, 1982
73. G. BELLINGERI, V. SAVICA, A. MALLAMACE, C. DI STEFANO, F. CONSOLO, **L.G. SPAGNOLI**, S. VILLASCHI, G. PALMIERI, M. CORSI, F. MACCARI :Correlation between increased serum and tissue L-carnitine levels and improved muscle symptoms in hemodialyzed patients.*Am. J. Clin. Nutr.*, 38, 523, 1983
74. V. SAVICA, G. BELLINERI, C. DI STEFANO, E. CORVAJA, F. CONSOLO, M. CORSI, F. MACCARI, **L.G. SPAGNOLI**, S. VILLASCHI, G. PALMIERI: Plasma and muscle carnitine levels in haemodialysis patients with morphological-ultrastructural examination of muscle samples.*Nephron*, 5, 232-236, 1983
75. V. SAVICA, G. BELLINGERI, C. DI STEFANO, A. MALLAMACE, F. CONSOLO, M. CORSI, F. MACCARI, and **L. G. SPAGNOLI**: Nemaline myopathy and carnitine in a haemodialyzed patient.*IRCS Medical Science*, 11, 309, 1983
76. S. VILLASCHI and **L. G. SPAGNOLI**: Autoradiographic and ultrastructural studies on the human fibro-atheromatous plaque.*Atherosclerosis*, 48, 95-100, 1983
77. **L. G. SPAGNOLI**: Storia naturale della placca fibro-ateromasica umana (Morfologia della progressione e regressione).*Giorn. Arterioscl.*, vol.8, 117-145, 1983
78. **L. G. SPAGNOLI**, S. VILLASCHI, A. MAURIELLO: Foam cells in the development of human atheroma: morphological and autoradiographic studies.3rd International Austrian Atherosclerosis Conference. Vienna 1983. Abstract book, 132, 1983
79. E ZANETTE, **L. G. SPAGNOLI**, A. CAROLEI, V. FARAGLIA, A. MAURIELLO, M. VENTURA:

Echotomography, angiography and morphology in patients with extracranial carotid plaques.  
International Symposium Informatics and Bioengineering in Medicine.Rome 1983 Abstract book

80. E. ZANETTE, L. G. SPAGNOLI, G. PALMIERI, E. D'ALOJA, G.L. LENZI, V. FARAGLIA, M. VENTURA:Correlation between echotomogrphy, angiography and morphology in patients with extracranial carotid plaques.International Symposium on Neuroimaging. Innsbruck 1983 Abstract book.

81. L. G. SPAGNOLI, M. CORSI, S. VILLASCHI, G. PALMIERI, F. MACCARI:Myocardial carnitine deficiency in acute myocardial infarction.J. Mol. Cell. Cardiology, 15, suppl. 3, 23, 1983

82. L. G. SPAGNOLI, Y. SAMBUY, G. PALMIERI and S. VILLASCHI:Risposte correlate all'età della parete arteriosa di fronte a vari noxae della patologia umana e sperimentale.XI Congresso Nazionale Soc. It. Microangiologia e Microcircolazione Bellagio 1983 Riassunti, 19

83. F. LEONETTI, G. TAMBURRANO, L. G. SPAGNOLI, M. MAUCERI, A. LALA:Somatostatin-induced insulin suppression in patients with isulinoma.19th Annual Meeting of EASD Oslo 1983 Abstract book.

84. E. CARDI, A. CECCAMEA, L. G. SPAGNOLI, F. VIOLA, M. ANTONELLI, E. REZZA:Disfagia prolungata in due gemelle identiche dovuta a miopatia da inclusioni bastoncelliformi (nemaline myopathy).SIMAD 3 Bari 1983. Abstract book

85. L. G. SPAGNOLI, G. PALMIERI, L. NERI, S. VILLASCHI:Age-dependent smooth muscle cells proliferative response to an experimental injury.Serono symposia - Raven Press New York, vol. 15, 53-58, 1984

86. P. FIORANI, V. FARAGLIA, M. TAURINO, L. G. SPAGNOLI, G.R. PISTOLESE: Relationship between clinical findings, morphologica aspects and the results of surgical treatment in young patients affected by occlusive aorto-iliac arterial disease.Serono Symposia - Raven Press New York, vol. 15, 291-298, 1984

87. P. FIORANI, V. FARAGLIA, M. TAURINO, F. MAIOLO, N. AISSA, and L. G. SPAGNOLI: Displasie arteriose Attualità in Chirurgia Ed. L. Pozzi vol. 9, No. 20, 1984

88. L. G. SPAGNOLI, S. VILLASCHI, G. PALMIERI and A. MAURIELLO: Foam cells in the development of human atheroma: a morphological and autoradiographic approach.Wiener Klinische Wochenschrift, 96, 11, 412-418, 1984

89. G. PALMIERI, E. BERTINI, and L.G. SPAGNOLI:Sindrome della spina rigida. Osservazioni morfologiche su tre casi femminili.Atti V Conv. Neurologia Infantile. Roma 1984, pag. 146

90. L.G. SPAGNOLI, G. PALMIERI, G. PORRO, P. CARBONI:Disproporzione congenite delle fibre muscolari e neuropatia ipertrofica: una associazione non comune.Atti V Conv. Neurologia Infantile Roma 1984, pag. 149

91. L.G. SPAGNOLI, S. VILLASCHI, L. NERI, V. FARAGLIA and P. FIORANI:Autoradographic studies on human atherosclerotic plaques. Angiology, 179-182, 1984

92. L.G. SPAGNOLI: L'istopatologia nella diagnostica dei carcinomi mammari.Coll. Ginecologia e Ostetricia n. 6 Diagnostica in Senologia. L. Pozzi Ed. Roma., 22-26, 1984

93. E ZANETTE, **L.G. SPAGNOLI**, A. CAROLEI, V. FARAGLIA, A. MAURIELLO, M. VENTURA: Echotomography, angiography and morphology in patients with extracranial carotid plaques.II Polyclinico Sez. Chirurgica, vol. 91, 2, 1984
94. **L.G. SPAGNOLI**, A. MAURIELLO, E. BONANNO, A. ORLANDI, G. PALMIERI:Programma per la memorizzazione e l'analisi con un minicomputer delle diagnosi istopatologiche: applicazioni alla patologia vascolare.Pathologica, 76, 151-160, 1984
95. P. BENEDETTI, P. CARBONI, P. PORRO, **L.G. SPAGNOLI**, G. PALMIERI:La biopsia muscolare mediante ago nella diagnosi delle malattie neuromuscolari in età pediatrica.Rivista Italiana di Pediatria, 10, 301-306, 1984
96. G. TAMBURRANO, F. LEONETTI, A. LALA, D. VAN DOORNE, N. LOCURATOLO, E. PUGLIESI, and **L.G. SPAGNOLI**. Soppressione della secrezione insulinica e valutazione del consumo di glucosio in rapporto alla differenziazione cellulare neoplastica degli insulinomi.X Congresso Naz. Soc. It. Dabetologia. Torino 1984 (Abstract)
97. M. CIARDI, A. CIRELLI, S. RESTA, and **L.G. SPAGNOLI**:Isolamento dell'HSV tipo I in corso di encefalite erpetica.Medicina e Chirurgia Italiana, vol. IV, 19-21, 1984
98. S. LENZI, A. BUCCI, G. CREPALDI, M. MANCINI, R. PAOLETTI, **L.G. SPAGNOLI** A. VENTURA, G. WEBER.:The CNR program preventive medicine - S. P. 4 Objective 44- Non invasive techniques for the evaluation of atherosclerotic plaque. Progression or Regression.EAG '84 - Extracoronary atherosclerosis Perugia 1984, (Absract)
99. Y. SAMBUY, **L.G. SPAGNOLI**, G. PALMIERI:The proliferative response of rabbi vascular smooth cells to arterial wall injury in relation to age.Am. Human Biol. 11, 479, 1984 (Abstract)
100. **L.G. SPAGNOLI**, G. CANU: Immunocitochimica dei tumori endocrini del pancreas in "L'ipernsulinismo" Billiotti G.C. Ed., Piccin Padova 1984
101. **L.G. SPAGNOLI** C. DELL'ISOLA, G. SPORTELLI, A. MAURIELLO, F. RIZZO, C. U. CASCIANI:Primary malignant fibrous histiocytoma of storiform-pleomorphic type: a case report of ano-rectal localization.Tumori 70, 567-570, 1984
102. E. ZANETTE, **L.G. SPAGNOLI**, G. PALMIERI, E. D'ALOJA, G.L. LENZI, A. MAURIELLO, V. FARAGLIA, M. VENTURA:Correlation between echotomography, angiography and morphology in Patients with extracranial carotid plaques: A preliminary report.Neuroimaging. G. Fisher Ed. Band 44, 23-290, 1984
103. **L.G. SPAGNOLI** G. PALMIERI:Effects of carnitine on muscle levels in hemodialysis patients. Proceedings of First International Athens Carnitine Symposium - N.N. Yoshimura Ed. Am. McGaw - Santa Ana, 1984 (Accettato in stampa)
104. R. MACERATINI, P. DI ONA, S. CROLLARI, G. TAMBURRANO, and **L.G. SPAGNOLI** Il blu di toluidina nell'identificazione intraoperatoria degli insulinomi.86° Congr. Soc. It. Chir. , Roma 1984 (Absract)

105. E. ZANETTE, E. D'ALOJA, M. FRONTONI, **L.G. SPAGNOLI** A. MAURIELLO, A. CAROLI: Protocollo per lo studio delle lesioni arteriosclerotiche del distretto carotideo extracranico. Newtrends in Neurosonology Ed. P. Caciagli Clinic II, n. 10, 157-164, 1984
106. SAMBUY Y., **L.G. SPAGNOLI**, VIGNETI E., RIVOLTELLA R.:Ultrastructural studies of spontaneous in vitro transformation of cultured marrow monocyte-macrophages from a patient with congenital hypoplastic anemia.Cancer Res. 45, 1392-1401, 1985
- 107 **L.G. SPAGNOLI** PALMIERI G., BERTINI E.,Benign congenital hypotonia whit uniform type 1 fibers and aspecific ultrastructural changes in the muscle: a case with esophagus involvement. Ital. J. Neur. Sc. 6, 317-321, 1985
108. **L.G. SPAGNOLI** . Y. SAMBUY, G. PALMIERI, A. MAURIELLO Age-related modulation of vascular smooth muscle cells proliferatio following arterial wall damage.Artery 13(3): 187-198, 1985
109. **L.G. SPAGNOLI**. A. MAURIELLO, E. BONANNO:Dimostrazione della struttura istologica delle placche fibroateromasiche mediante l'esame densitometrico di reperti ecografici. Diagnostica per immagini in patologia vascolare. Monduzzi Ed. 339-348, 1985
110. **L.G. SPAGNOLI** E. ZANETTE, V. FARALIA, A. MAURIELLO, C. BUTTINELLI:Validazione istopatologica dei reperti ecotomografici di placche carotidee.Giorn. Arteriosclerosi vol. 2, 95-108, 1985
111. **L.G. SPAGNOLI** A. MAURIELLO, E. BONANNO, E. ZANETTE, V. FARAGLIA:Studio densitometrico della placca fibroateromasica USMED (Giornate Internazionali Ultrasonologia) 3, 205, 1985
112. L.DI PALMA, **L.G. SPAGNOLI** and A. YUSUF:Intracerebral Fibroma: Light and Electron Microscopic Study Acta Neurochirurgica 77, 152-156 (1985)
113. E. BERTINI, F. VIGEVANO, C. DIONISI-VICI, G. PALMIERI, **L.G. SPAGNOLI** M. DI CAPUA:Atrophie spinale distale infantile associee avec relaxatio diaphragmatica. Une nouvelle variante entre les atrophies spinales infantiles? Presentation de deux cas.III° Congresso Società Europea di Neurologia Infantile - Bruxelles . 8 -10 Novembre 1985 - Abstracts book
- 114.. **L.G. SPAGNOLI.** , MAURIELLO A., BONANNO E., VILLASCHI S., SANTEUSANIO G. Morphological patterns of human atherosclerotic plaques XVI International Congres of International Academy of Pathology and 7 World Congres of Academy and Environmental Pathology. Vienna Abstracts book, 1986
115. **L.G. SPAGNOLI.**, SANTEUSANIO G., MAURIELLO A., COLANTONI A.:Studio immunoistochimico dei filamenti intermedi e dei componenti della matrice extracellulare nella placca fibroateromasica umana. Osservazioni preliminari.II Reunion latine de recherche vasculaire. Paroi arterielles et atherosclerose: approches moleculaire, cellular et clinique. Toulouse (France) 20-22 october 1986, abstracts.
116. **SPAGNOLI L.G.** ZANETTE E., FARAGLIA V., MAURIELLO A., BONANNO E., PALMIERI G.:Tipizzazione morfologica ed ecografica di stadi evolutivi della placca atherosclerotica umana e sperimentale.Consiglio Nazionale delle Ricerche - Progetto finalizzato "Medicina Preventiva e riabilitativa". Abstracts 436, 1986

117. SPAGNOLI L.G., MAURIELLO A., SAMBUY Y., BONANNO E., ORLANDI A., PALMIERI G.:A computerized coding system for processing basic histopathological changes. Application to vascular pathology.Meth Inf. Med. 25 139-142, 1986
118. LENZI S., BUCCI A., CREPALDI G., MANCINI M., MENOTTI A., PAOLETTI R., SPAGNOLI L.G., VENTURA A., WEBER G.:The CNR program of preventive Medicine - SP4 Objective 44. Non invasive techniques for the evaluation of atherosclerotic plaques progression or regression. Monographs on atherosclerosis. Extracoronary atherosclerosis. A. Ventura, G. Crepaldi, U. Senin Eds. Karger Basel Sydney 14, 83-90, 1986
119. PORRO G., CARBONI P., SPAGNOLI L.G., PALMIERI G.:Le miopatie con disproporzioni delle fibre muscolari. Contributo clinico.In "Atti del VII convegno di Neurologia infantile casa editrice libraria l'Antologia", pp. 105-119, 1986
120. CRISANTI A., COLANTONI A., MAURIELLO A., BONANNO E., SPAGNOLI L.G.: Frequenza di espressione nelle popolazioni linfocitarie del timo del prodotto del gene V8.XVI Congresso Naz. gruppo cooperaz. in Immunologia. Cortona 1986.Abstract book
121. PORRO G., CARBONI P., POIANAG., SPAGNOLI L.G.:Muscle acetylcholinesterase in child nood lypotomia International Symposium Sept. 12-13, 1986, Saint Vincent
122. ROSATI R., FILINGERI V., ELLI M., UTZERIG., GASPARI A., SPAGNOLI L.G., CASCIANI C.U.: Studio comparato su alcuni farmaci calcioantagonisti nella perfusione e nel trapianto renale del ratto.Rivista di Microch. vol. VI, 85-98, 1986
123. BERTINI E., MARINI R., SABETTA G., PALMIERI G., SPAGNOLI L.G.. VACCARO M.L., DE BARSY T.:The spectrum of so-called rigid spine syndrome: nosological considerations and report of three female cases.J. Neurology 233, 248-253, 1986
124. ZORZIN L., MARRESE C., PASSERINI S., PALMIERI G., SPAGNOLI L.G.:Artrosinovite tubercolare apparentemente primitiva: segnalazione di un caso Sett.Med. Osp. 28, 2, 35-44, 1986
125. PORRO G., CARBONI P., SPAGNOLI L.G., PALMIERI G.:Le miopatie con disproporzioni delle fibre. Contributo clinico In "Atti del 7 congresso di Neurologia Infantile" Casa ed. "L'Antologia" pp. 105-119, 1986
126. SPAGNOLI L.G., PALMIERI G., CARBONI P., PORRO G.: Crescita e differenziazione del muscolo scheletrico da 0 a 10 anni: valutazione morfometrica con riferimento alla diagnosi di disproporzioni congenite delle fibre muscolari in età neonatale. Osservazioni preliminari. VII convegno di Neurologia infantile - Roma 18-20 aprile 1986 - Libro degli Atti, p. 198
127. BERTINI E., DI CAPUA M., VIGEVANO F., PALMIERI G., and SPAGNOLI L.G.:Atrofia spinale distale infantile associata a paralisi del diaframma. Una nuova variante clinica di atrofia spinale infantile (SMA tipo 1) VII convegno di Neurologia Infantile - Roma 18-20 aprile 1986 - Libro degli Atti, p. 174
128. PALMIERI G., SPAGNOLI L.G., COLANTONI A., CARBONI P., PORRO G.:Ipotonia congenita benigna: correlazioni clinico-morfologiche su 113 pazienti. Osservazioni preliminari.VII convegno di Neurologia Infantile - Roma 18-20 aprile 1986 - Libro degli Atti, p. 193

129. PORRO G., CARBONI P., **SPAGNOLI L.G.**, PALMIERI G.:Le miopatie con disproporzione delle fibre muscolari. Contributo clinico VII convegno di Neurologia Infantile - Roma 1986 - Libro degli Atti pp. 88-97
130. MACERATINI, DIVONA, TAMBURRANO, FEGIZ:Use of toluidine blue for intraoperative identification of insulinomas Ch. Gen. VII, 89, 1986
131. **SPAGNOLI L.G.**, ORLANDI A., DE ANGELIS C., PALMIERI G., LUCREZIOTTI R.: Morfometry and ultrastructural changes of skeletal muscle fibres in aging rats. Advances in Myochemistry I, 449, 1987
132. ROSATI R., FILINGERI V., UTZERI G., STORTONI F., CERVELLI V., **SPAGNOLI L.G.** and CASCIANI C.U.:Effetti citoprotettivi dell'inosina sul parenchima renale del ratto sottoposto a ischemia.SIM X Congresso Nazionale- Rapallo 22-24 gennaio 1987
133. AUTELITANO F., SANTEUSANIO G., AUTELITANO M., and **SPAGNOLI L.G.**: Il carcinoma occulto (CO) della tiroide. Studio su 507 autopsie.Qinte giornate italiane della tiroide. Riassunti delle comunicazioni, p 113 .Parma 1987.
134. SANTEUSANIO G., AUTELITANO F., AUTELITANO M., and **SPAGNOLI L.G.**:L'iperplasia a cellule C della tiroide nella vecchiaia. Possibile correlazione con l'osteoporosi.Qinte giornate italiane della tiroide. Riassunti delle comunicazioni, p. 189 Parma 1987
135. MAURIELLO A., BONANNO E., **SPAGNOLI L.G.**:Densitometry Measurement on Histological Sections Med Technol 17, 10-11, 1987
136. SANTEUSANIO G., MAURIELLO A., VILLASCHI S., COLANTONI A., and **SPAGNOLI L.G.**: Filamenti intermedi e matrice extracellulare nella placca fibroateromasica umana.VII congresso Societa' Italiana di Anatomia Patologica, Roma 1987. Abstract book, 114
137. MAURIELLO A., ORLANDI A., BONANNO E. , SANTEUSANIO G., and **SPAGNOLI L.G.**:Studio morfometrico delle modificazioni della tonaca media dell'aorta di coniglio nell'invecchiamento.VII congresso societa' italiana di Anatomia Patologica, Roma, 1987, Abstract book, 113
138. SANTEUSANIO G., MAURIELLO A., COLANTONI A., and **SPAGNOLI L.G.**:The cytoskeleton of smooth muscle cells in human fibroatheromatous plaques and in underlying tunica media. Basic applied Histochemistry, 31 supp. 169, 1987
139. MAURIELLO A., BONANNO E., AUTELITANO F. and **SPAGNOLI L.G.**:Morfometric evaluation of tissue components revealed by their optical densities.In: Medical informatics Europe 87 (Partecipants Edition), 1, 827-831, 1987
140. **SPAGNOLI L.G.**, OBERHOLZER M., MAURIELLO A., BONANNO E., BUSER M., PALMIERI G.:Computer-assisted reconstruction of histopathological patterns through a discriminant analysis of encoded elementary lesions: a study on correlation between risk factors and pattern of atherosclerotic lesion.In: Medical Informatics Europe 87 (Partecipats Edition), 2, 1300-1304, 1987
141. MAURIELLO A., ORLANDI A., PALMIERI G., VILLASCHI S., and **SPAGNOLI L.G.**: Anisotropy of vascular smooth muscle cells decreases with age.Basic Applied Histochemistry, 31, suppl. 2, 53, 1987

142. **SPAGNOLI L.G.**, OBERHOLZER M., MAURIELLO A., BONANNO E., BUSER M., PALMIERI G., AUTELITANO F.:Correlation between risk factors and patterns of atherosclerotic lesions.VII Kongressus Magyar Arteriosclerosis Tarasag. Abstract book, 11, 1987
143. **SPAGNOLI L.G.**, SANTEUSANIO G., MAURIELLO A., COLANTONI A.:Immunohistochemical study of human fibroatheromatous plaques and underlying tunica media: intermediate and microfilaments proteins.VII Kongressus Magyar Arteriosclerosis Tarasag. Abstract book. 16, 1987
144. **SPAGNOLI L.G.**, MAURIELLO A., PALMIERI G., VACHA G.M., D'IDIO S., GIORGELLI G., CORSI M.:Morphological changes of muscle fibres related to a prolonged L-carnitine treatment in long-term hemodialyzed patients.8th Danube Symposium on Nephrology. Bratislava. Abstract book, 1987
145. **SPAGNOLI L.G.**, MAURIELLO A., PALMIERI G., SANTEUSANIO G., BONANNO E., OBERHOLZER M.:Influenza dei fattori di rischio sulla struttura istologica e citologica delle placche ateromasiche umane.III Riunione Latina di RicercaVascolare. Madrid 1987, Abstract book, p. 81
146. **SPAGNOLI L.G.**, MAURIELLO A., BONANNO E., ZANETTE E., FARAGLIA V.:Correlazioni ecotomografiche morfo-strutturali: nuova classificazione densitometrica delle placche fibroateromasiche.Workshop Internazionale di Emodinamica Vascolare. Bologna 1987, Abstract book, p. 22-23
147. **SPAGNOLI L.G.**, ORLANDI A., DE ANGELIS C.:Age-related variations in cationized ferritin distribution in the rat glomerular basement membrane.Atti del XVI Congresso di M.E. Bologna 1987. Libro degli Atti, p. 181-182
148. **SPAGNOLI L.G.**:Morfologia dell'endotelio vascolare: struttura e significato delle vie di comunicazione intercellulari.In: Microangiologia e Microcircolazione. Mondadori Editore. 3-10, 1987
149. PORRO G., CARBONI P., **SPAGNOLI L.G.**, PALMIERI G.:Vascular abnormalities in children with muscular hypotonia and cerebral damage.Rivista di Neurologia, 57, 4, 251-260, 1987
150. **SPAGNOLI L.G.**, BONANNO E., MAURIELLO A., ZANETTE E., FARAGLIA V.,PALMIERI G., FIORANI P.:Histopathological characterization of carotid plaques echotomography. Inter Angio 7, 1, 75-80, 1988
151. **SPAGNOLI L.G.**, MAURIELLO A., VILLASCHI S., SANTEUSANIO G., BONANNO E., PALMIERI G.:A morphometric approach to the atherosclerotic plaque (with an assay of clinical correlations).Biology of arterial wall. CIC Edizioni Internazionali, Roma, 219-231, 1988
152. **SPAGNOLI L.G.**, PALMIERI G.:Fisiopatologia del muscolo scheletrico.In: Pipino F. (ed.) Trattato di Biomeccanica in Ortopedia e Traumatologia, 1, cap. 2.1, 1988
153. **SPAGNOLI L.G.**, ORLANDI A., VILLASCHI S. and DE ANGELIS C.:Cholesterol induced fibroatheromatous plaques in aged rabbits 8th International Symposium on Atherosclerosis (Abstract book),880, 1988.
154. MAURIELLO A., ORLANDI A., OBERHOLZER M., SANTEUSANIO G., and **SPAGNOLI L.G.**: Age-related morphological and morphometrical changes in rabbit aorta.8th International Symposium on Atherosclerosis (Abstract book), 586, 1988.

155. **SPAGNOLI L.G.**, MAURIELLO A., PALMIERI G., VACHA G.M., D'IDIO S. and CORSI M. Hypertrophic changes induced in type I muscle fibers by long-term administered I-carnitine Clinical Neurophatology, vol. 7, 211-212, 1988
156. **SPAGNOLI L.G.**, PALMIERI G., ORLANDI A., DE ANGELIS C. and RAMACCI M.T.: A trophic effect of carnitine in type I muscle fibers in aged rats Clinical Neurophatology vol. 7, 212, 1988
157. PALMIERI G., MAURIELLO A., BANCHERI C., PICCIONE E., PASETTO N.: and **SPAGNOLI L.G.**: Progestogen protects rabbit arterial wall from dietary hypercholesterolemia. 8th International Symposium on Atherosclerosis (Abstract book), 709, 1988.
158. PALMA L., FRAIOLI B., ESPOSITO V. and **SPAGNOLI L.G.**: Histological atypia in pituitary adenoma: clinical correlation in a series of 423 operated cases Clinical Neuropathology, 7, 4, 1988, 194
159. ZORZIN L., PALMIERI G., MARRESE C., and **SPAGNOLI L.G.**: Polyostotic fibrous dysplasia involving the sternum Clinical Rheumatology 7, 1, 107-109, 1988
160. MARCHI V., MINGRONE G., **SPAGNOLI L.G.**, PALMIERI G.: Su di un caso di distrofia muscolare progressiva: sindrome di Kiloh-Nevin con considerazioni ultrastrutturali Bollettino di oculistica 67, 2, 231-238, 1988
161. SANTEUSANIO G., MAURIELLO A., ORLANDI A., SCHIAROLI S., ANEMONA L. and **SPAGNOLI L.G.**: A combined immunocytochemical morphometrical and biochemical analysis of estrogen receptors in breast cancer Fifth International Symposium on morphometry in morphological diagnosis Diagnostic Quantitative Pathology Ancona 1988 Abstract book, 23
162. SANTEUSANIO G., PASCAL R.R., BISCEGLIA M., COSTANTINO A.M., BOSMAN C.: Metaplastic breast carcinoma with epithelial phenotype or pseudosarcomatous components. Archives of Pathology and Laboratory Medicine 112:82-85, 1988
163. SANTEUSANIO G., PERONACE L., CASTAGNA G., DE MURO G., SANTI D., D'ORAZIO A., AMANTI C., MIDIRI G., CAMPISI C., D'AMBRA G., DI PAOLA M.: Immunohistochemical study of carcinoembryonic antigen (CEA) in gastric tumors: correlation with preoperative serum levels, histologic type, and grade of anaplasia of the tumor. Journal of Surgical Oncology, 37:13-19, 1988
164. **SPAGNOLI L.G.**, MAURIELLO A., BONANNO E., SANTEUSANIO G., FIESCHI C., FIORANI P., ZANETTE E.: Echodensitometry: a methodologic approach to the non-invasive diagnosis of carotid atherosclerotic plaques. Inter Angio, 8, 4, 216-223, 1989
165. AUTELITANO F., **SPAGNOLI L.G.**, SANTEUSANIO G., VILLASCHI S., AUTELITANO M. Carcinoma occulto della tiroide. Studio epidemiologico su materiale autoptico. Annali italiani di Chirurgia, LXI, 2: 141-146, 1989
166. AUTELITANO F., **SPAGNOLI L.G.**, SANTEUSANIO G., VILLASCHI S., AUTELITANO M.: Riflessioni critiche sul carcinoma della tiroide: difficolta' dubbi e problemi diagnostico-differenziali Annali Italiani di Chirurgia, LX, 4, 267-281, 1989

167. MAURIELLO A., ORLANDI A., OBERHOLZER M., SANTEUSANIO G., and **SPAGNOLI L.G.**: Age-related morphological and morphometrical changes in rabbit aorta. *Clin.Ter.Cardiovasc.* VIII, 3, 265-268, 1989
168. PALMIERI G., MAURIELLO A., BANCHERI C., PICCIONE E., PASETTO N. and **SPAGNOLI L.G.**: Progestogen protects rabbit arterial wall from dietary hypercholesterolemia. *Clin.Ter.Cardiovasc.* VIII, 5, 253-255, 1989
169. **SPAGNOLI L.G.**, ORLANDI A., VILLASCHI S. and DE ANGELIS C.: Cholesterol induced fibroatheromatous plaques in aged rabbits *Clin.Ter.Cardiovasc.* VIII, 3, 249-252, 1989
170. ANTONINI G., PALMIERI G., **SPAGNOLI L.G.**, MILLEFIORINI G.: Lead brachial neuropathy during heroin addiction *Clinical Neurology and Neurosurgery*, 91-2, 167-170, 1989
171. **SPAGNOLI L.G.** e collaboratori: Tipizzazione morfologica ed ecografica di stadi evolutivi della placca aterosclerotica umana sperimentale Progetto finalizzato "Medicina Preventiva e Riabilitativa" Convegno di chiusura. Roma, 18-19 maggio 1989 Libro delle schede conclusive p. 236
172. **SPAGNOLI L.G.**: Arteriosclerosi. *Enciclopedia Medica Italiana*, 1, 1989, p. 781-792.
173. ANTONINI G. PALMIERI G., MILLEFIORINI E., **SPAGNOLI L.G.**, MILLEFIORINI M.: Lead poisoning during heroin addiction In: *Ital. J. Neurol. Sci.* 10: 105-108, 1989
174. **SPAGNOLI L.G.**, PALMIERI G., MAURIELLO A., VACHA G.M., D'IDIO S., GIORCELLI G. and CORSI M.: Morphometric evidence of the trophic effect of L-carnitine on human skeketon muscle. *Nephron*, 55, 1, 16-23, 1990
175. **SPAGNOLI L.G.**, PALMIERI G., MAURIELLO A., ORLANDI A., BANCHERI C., PASETTO : High-dose synthetic progestogen inhibit foam and smooth muscle cell proliferation and therosclerotic plaques formation in aortas of rabbits fed a hypercholesterolemic diet *Atherosclerosis*, 82, 27-36, 1990
176. MAURIELLO A., OBERHOLZER M., ORLANDI A., PALMIERI G., CHRISTEN H., and **SPAGNOLI L.G.**: Age-related modification of overage volume and anisotropy of vascular smooth muscle cell. 6th International Symposium on Diagnostic Quantitative Basel, August 29-September 1, 1990, Abstracts Book, 1990, p. 104
177. SANTEUSANIO G., MAURIELLO A., SCHIAROLI S., ANEMONA L., SCAMBIA G. and **SPAGNOLI L.G.**: Estrogen receptors ansalysis in breast tumors: morphometric and densitometric study of immunocytochemical results. 6th International Symposium on Diagnostic Quantitative, Basel, August 29-September 1, 1990, Abstracts Book, 1990, p. 146
178. **SPAGNOLI L.G.**, ORLANDI A., MAURIELLO A., DE ANGELIS C. and RAMACCI M.T.: Age-dependent increase of rabbit aortic wall sensitivity to atherosclerosis: a morphometric approach 6th International Symposium on Diagnostic Quantitative, Basel, August 29-September 1, 1990, Abstracts Book, 1990, p. 151
179. **SPAGNOLI L.G.**, ORLANDI O., SANTEUSANIO G., MAURIELLO A.: Metaphase arrested foam cells of atherosclerotic plaque show a macrophage phenotype with monoclonal antibodies. IX Congress Hungarian Arteriosclerosis Society - Sofron (Hungary). Abstract book, p.70, 1990

180. BARILLARI P., D'ANGELO F., RAMACCIATO G., RICCI M., SANTEUSANIO G., DE ANGELIS R., AURELLO P., FEGIZ G.:The role of CEA, TPA and Ca 19-9 in the early detection of recurrent gastric cancer. *The Cancer Journal* vol. 3, 3, 139-142, 1990
181. BALESTRAZZI E., DE MOLFETTA V., SPADEA L., VINCIGUERRA P., SABETTI L., PALMIERI G., and SPAGNOLI L.G.:Fotoablazione con Laser ad Eccimeri. Primi rilievi istologici ed ultrastrutturali su cornee umane. Università Pisa, 19-20 ottobre 1990. Abstract Book
182. SPAGNOLI L.G., ORLANDI A., SANTEUSANIO G.:Foam cell of the rabbit atherosclerotic plaque arrested in metaphase by colchicine show a macrophage phenotype *Atherosclerosis* 88, 87-92, 1991
183. SANTEUSANIO G., BONANNO E., TICCONI C., BASCHIERI L., PICCIONE E. and SPAGNOLI L.G.:Primary adenocarcinoma of the vagina not associated with maternal des exposure: a case report with ultrastructural and immunohistochemical study *It J Obstet Gynaecol*, 1991
184. SANTEUSANIO G., SCHIAROLI S., ANEMONA L., SESTI F., VALLI E., and SPAGNOLI L.G.:Carcinoma of the vulva with sarcomatoid features. A case report with immunohistochemical study *Gynecologic oncology*, 1991
185. SPAGNOLI L.G., ORLANDI A., MAURIELLO A., SANTEUSANIO G., DE ANGELIS C., LUCREZIOTTI R., RAMACCI M.T.:Aging and atherosclerosis in the rabbit. 1. Distribution, prevalence and morphology of atherosclerotic lesions. *Atherosclerosis*, 89, 11-24, 1991
186. SPAGNOLI L.G., MAURIELLO A., PALMIERI G., ORLANDI A., SANTEUSANIO G.:Heterogeneous morphological patterns of the fibroatheromatous plaque and risk factors. In: "Atherosclerotic plaques", edited by Wissler RW. Proceeding of NATO ARW, Plenum Press, New York , 27-37, 1991
187. ORLANDI A., MAURIELLO A., DE ANGELIS C., RAMACCI M.T. and SPAGNOLI L.G.: Variable responses of young and aged rabbits correlated with serum HDL-cholesterol levels and severity of lesions. 57th EAS (European Atherosclerosis Society) Meeting. Lisboa, 1991. Abstract book, pag. 33
188. ORLANDI A., MAURIELLO A., DE ANGELIS C., RAMACCI M.T. and SPAGNOLI L.G.:Age-related differences in the distribution and prevalence of atherosclerotic lesions in the yperlipemic rabbit. 4th International Congress of IABG (International Association of Biomedical Gerontology). Ancona, 1991. Abstract book, pag. 194
189. MAURIELLO A., SCHIAROLI S., ORLANDI A., SANTEUSANIO G., BONANNO E. and SPAGNOLI L.G.:Flow cytometry and morphometry in prognosis of urinary bladder carcinoma. *Pathol Res Pract*, suppl. 1, 724, 1991
190. SANTEUSANIO G., AUTELITANO F., AUTELITANO M., MAURIELLO A., PALMIERI G., SCHIAROLI S., ANEMONA L. and SPAGNOLI L.G.:Immunohistochemical detection of C-cell hyperplasia of the thyroid gland. *Pathol Res Pract*, suppl. 1, 762, 1991
191. ORLANDI A., MAURIELLO A., DE ANGELIS C., RAMACCI M.T. and SPAGNOLI L.G.:Variable responses of young and aged rabbits correlated with serum HDL-cholesterol levels and severity of lesions. In: "Molecular biology of atherosclerosis. Proceedings of the 57th European Atherosclerosis Society Meeting", edited by Halpern MJ, Chapter 17. John Libbey and Co Ltd, 79-84, 1991.

192. **SPAGNOLI L.G.**, MAURIELLO A., SCHIAROLI S., SANTEUSANIO G., MARINO B., MONTAGNA G., BRANCATO T., CORVESE F., AMICI A., SAMMARCO C:L'utilita' della citometria a flusso e della morfometria quali markers prognostici del carcinoma a cellule uroteliali della vescica.Atti I Meeting "Il Carcinoma della vescica" (Ed. C.Sammarco, M.Antimi), 11-17, 1991
193. **SPAGNOLI L.G.**, MAURIELLO A., SCHIAROLI S., ANEMONA L., SANTEUSANIO G:Vecchi e nuovi indicatori prognostici del cancro della mammella.Atti Simposio Internazionale "La mammella: demolizione, ricostruzione,ed estetica "; Visconti M.C.Ed., Roma, XIV-XVIII, 1991
194. BALESTRAZZI E., BLASI M.A., MARULLO M., PALMIERI G., SANTEUSANIO G., and **SPAGNOLI L.G.**: Ultrastructure and immunochemistry of proliferative vitreoretinopathy Third Internat. Symposium on vitreoretinopathy Rome 1991
195. **SPAGNOLI L.G.**, ANEMONA L., MAURIELLO A., SCHIAROLI S., SANTEUSANIO G., MARINO B.:Fattori prognostici nei linfomi non Hodgkin.Atti Accademia Lancisiana, 1992 (in press)
196. A.O CAVAZZANA, R. TIRABOSCO, R. FRUNZIO, R. SCALERTA, M. PANIZZO, S. SCHIAROLI, R. ROSSI, M. LISE, V. NINFO, and **L.G. SPAGNOLI**: IGF-II Correlates with tumor differentiation and not with tumor progression in malignant smooth muscle tumors Patologia, vol. 25, n.3 (Suppl.), 3, 1992
197. **L.G. SPAGNOLI**, A. MAURIELLO, G. PALMIERI, A. ORLANDI, A. AMANTE Histologic patterns of fibroatheromatous plaque and risk factors.Patologia vol. 25, n. 3 (Suppl.), 50, 1992
- 198.. A.O. CAVAZZANA, R. TIRABOSCO, E. BONANNO, T. PRAYER-GALETI, A. MONTALDI, M. STELLA, F. PAGANO, and **L.G. SPAGNOLI**: Establishement and characterization of a Bellini duct carcinoma cell line.Patologia, vol. 25, n. 3 (Suppl.), 111, 1992
199. E. BONANNO, L. ERCOLI, M.C. MACCIOMEI, P. MISSORI, G. ROCCHI and **L.G. SPAGNOLI**: Isolation of homogeneous cell population from normal human adult bone marrow with muscular phenotype.Patologia, vol.25, n. 3 (Suppl.), 155, 1992
200. **L.G. SPAGNOLI**, L. ANEMONA, S. SCHIAROLI, A. MAURIELLO, M. ANTINI, A. PERROTTI, M. CANTONETTI, G. PAPA:Multivariate analysis of clinical data, morphometry and DNA-flow cytometry as prognostic factors in aggressive malignant lymphoma Patologia, vol. 25, n. 3 (Suppl.), 170, 1992
201. **L.G. SPAGNOLI**, D.PESCE, F. SANTARELLI, F. ZEZZA, R. LUCREZIOTTI and E. ARRIGONI-MARTELLI:Repeated needle biopsies as a reliable tool fo standardization of experimental cirrhosis Patologia, vol. 25, n. 3, (Suppl.), 191, 1992
202. MAURIELLO A., OBERHOLZER M., ORLANDI A., PALMIERI G.,CHRISTEN H., and **SPAGNOLI L.G.** : Age-related modification of overage volume and anisotropy of vascular smooth muscle cell.Pathol Res Pract 4-5, 630-636, 1992
203. SANTEUSANIO G., MAURIELLO A., SCHIAROLI S., ANEMONA L., SCAMBIA G. and **SPAGNOLI L.G.**.: Densitometric and morphometric study of immunocytochemical estrogen receptors detection in breast carcinomas.Path Res Pract 4-5, 478-483, 1992
204. **SPAGNOLI L.G.**, ORLANDI A., MAURIELLO A., DE ANGELIS C. and RAMACCI M.T.:

Age-dependent increase of rabbit aortic wall sensitivity to atherosclerosis: a morphometric approach  
Pathol Res Pract, 4-5, 637-642, 1992

205. ORLANDI A., MAURIELLO A., DE ANGELIS C., RAMACCI M.T. and **SPAGNOLI L.G.**: Age-related differences in the distribution and occurrence of atherosclerotic lesions in the yperlipemic rabbit. Arch Gerontol Geriatr, suppl 3, 295-302, 1992

206. AUTELITANO F., SANTEUSANIO G., MAURIELLO A., AUTELITANO M., PALMIERI G., ORLANDI A. and **SPAGNOLI L.G.**: Patologia latente della tiroide (studio epidemiologico e statistico di tiroidi prelevate in corso di 507 autopsie consecutive). Annali di Chirurgia, Vol. LXIII, 6: 761-781, 1992

207. **SPAGNOLI L.G.**, MAURIELLO A., SCHIAROLI S., SANTEUSANIO G., ORLANDI A., MARINO B., MONTAGNA G., BRANCATO T., AMICI A., SAMMARCO C: Citometria a flusso e morfometria: nuovi markers prognostici del carcinoma a cellule uroteliali della vescica. Acta Urol Ital 3: 251-259, 1992

208. ORLANDI A., MAURIELLO A., and **SPAGNOLI L.G.**: Densitometric evaluation of the age-related modifications of collagen and elastin contents in the rabbit aorta. Anal Cell Pathol 4, 208, 1992

209. MAURIELLO A., SCHIAROLI S., MARINO B and **SPAGNOLI L.G.**: The value of nuclear morphometry and flow cytometry as prognostic factors in urinary bladder cancer. Anal Cell Pathol 4, 200, 1992

210. **SPAGNOLI L.G.**, BONANNO E., MAURIELLO A., ORLANDI A.: Smooth muscle cell behaviour in three-dimentional gels: an in vitro model to evaluate the role of extracellular matrices on cell phenotype. In: "Biology and Pathology of Cell-Matrix Interactions" (E. Bonucci Ed.); CLEUP Ed., Padova, 53- 61, 1992

211. **SPAGNOLI L.G.**, MAURIELLO A., ORLANDI A., BONANNO E.  
Age-dependent changes of relationship between smooth muscle cells and extracellular matrix in the rabbit aorta.  
In: "Biology and Pathology of Cell-Matrix Interactions" (E. Bonucci Ed.); CLEUP Ed., Padova, 63-75, 1992

212. MELINO G., VENOLE P., ANNICHiarico-PETRUZZELLI M., STEPHANOU A., COLANTONI A., KNIGHT R., **SPAGNOLI L.G.**.. and FINAZZI AGRO' A.  
An Inducible Cell Line (Natasha) from a Neuroblastoma Patient with Circulating HSR-positive Blasts Expressing Neurohormones.  
Anticancer Research 12: 1199-1206, 1992

213. SAVARESE A. ANNICHiarico-PETRUZZELLI M., CITRO G., ZUPI G., **SPAGNOLI L.G.**, COLANTONI A., VENOLE P., STEPHANOU A., KNIGT R.A., GUERRIERI P. and MELINO G. Characterization of a human glioblastoma cell line (LI) expressing hypothalamic and pituitary hormones  
Exp Brain Res 89: 408-414, 1992

214. MELINO G., SINIBALDI-VALLEBONA P., D'ATRI S., ANNICHiarico-PETRUZZELLI M., RASI G., CATANI M.V., TARTAGLIA R.S., VENOLE P., **SPAGNOLI L.G.**, FINAZZI AGRO' A. and GARACI E.

Characterization of three melanoma cell line (TVM-A12, TVM-A197, TVM-BO):  
sensitivity to lysis and effect of retinoic acid  
Clin. Chem. Enzym. Comms. 6, 105-119, 1993

215. AUTELITANO F., SANTEUSANIO G., MAURIELLO A., AUTELITANO M., PALMIERI G., ORLANDI A., MARINO B., PETRUCCI F., NEZZO A., CORONA S., AMORI A., LOMBARDI W., PORZIO R., and **SPAGNOLI L.G.**

Adenolipoma (tirolipoma) della ghiandola tiroidea

Ann. Ital. Chir: LXIV, 4, 393-398, 1993

216. **SPAGNOLI L.G.**, MAURIELLO A., PALMIERI G., SANTEUSANIO G.

Heterogeneous morphological patterns of the fibroatheromatous plaque and risk factors

XII Congress Hungarian Arteriosclerosis Society - Sofron (Hungary)

Abstract Book, 1993

217. **SPAGNOLI L.G.** MARINO B., ORLANDI A., MAURIELLO A., SANTEUSANIO G.

A further evidence that macrophage foam cells proliferate in rabbit fibroatheromatous plaques

Path. Res. Pract, 1993 (suppl.)

218. ORLANDI A., MAURIELLO A., MARINO B. and **SPAGNOLI L.G.**

Age-related modifications of aorta and coronaries in the rabbit: a morphological and morphometrical assessment

Arch. Geront. Geriatr. 17, 37-53, 1993

219. **SPAGNOLI L.G.** MARINO B., ORLANDI A., MAURIELLO A., SANTEUSANIO G.

Macrophage foam cells synthetize M-CSF and proliferate in rabbit fibroatheromatous plaques.

IX Latin Meeting on Vascular Research, Lyon, Abstract book, 65, 1993

220. MAURIELLO A., PALMIERI G. and **SPAGNOLI L.G.**

Risk factors and heterogeneus composition of the fibroatheromatous plaque.

IX Latin Meeting on Vascular Research , Lyon, Abstract book, 67, 1993

221. ORLANDI A., EHRLICH H.P., ROPRAZ P., **SPAGNOLI L.G.**, GABBIANI G.

Pathology, University of Geneva 1 rue Michel- Servet, CH-1211 Geneva 4

IX Latin Meeting on Vascular Research , Lyon, Abstract book, 13, 1993

222. BONANNO E., MACCIOMEI M.C. and **SPAGNOLI L.G.**

Cultured vascular smooth muscle cell cycle

IX Latin Meeting on Vascular Research , Lyon, Abstract book, 15, 1993

223. ORLANDI A. **SPAGNOLI L.G.**., MARINO B., MAURIELLO A., DE ANGELIS C. and RAMACCI M.T.

Propionyl-L-carnitine exerts a specific control on serum triglyceride levels and plaque progression in hypercholesterolemic aged rabbits.

5th Congress International Association of Biomedical Gerontology (IABG).

Budapest, Abstract book, L-6, 1993

224. CORSICO N.; NARDONE A.; LUCREZIOTTI M.R., **SPAGNOLI L.G.**, PESCE D., AURELI T., DI COCCO M.E., MICCHELI A., CONTI F. and ARRIGONI MARTELLI E.

Effect of propionyl-L carnitine in a rat model of peripheral arteriopathy: a functional, histologic, and NMR spectroscopic study.

Cardiovascolar Drugs and Therapy 1993, 7, 241-251

225. BIANCHI L., ORLANDI A., IRACI S., **SPAGNOLI L.G.**.. and NINI G.  
Punctate porokeratotic Keratoderma-its occurrence with internal neoplasia  
Clin. Exp. Derm. 19, 139-141, 1994

226. STASI R., GATTI S., PERROTTI A., ORLANDI A., **SPAGNOLI L.G.** and PAPA G.  
Erythema multiforme during GM-CSF therapy  
Acta Derm.Vener. (Stockh) 74, 132-134, 1994

227. **SPAGNOLI L.G.**, MAURIELLO A., PALMIERI G., SANTEUSANIO G., AMANTE A., TAURINO M.  
Relationship between risk factors and morphological patterns of human carotid atherosclerotic plaques. A multivariate discriminant analysis.  
Atherosclerosis, 1994, 108, 39-60

228. BONANNO E., ERCOLI L., MISSORI P., ROCCHI G: and **SPAGNOLI L.G.**  
Homogeneous stromal cell population from normal human adult bone marrow expressing a-smooth muscle actin filaments  
Laboratory Investigation, 1994, vol. 71, n. 2

229. ORLANDI A., EHRLICH H.P., ROPRAZ P., **SPAGNOLI L. G:**, GABBANI G.  
Rat aortic smooth muscle cells isolated from different layers and at different times after endothelial denudation show distinct biological features in vitro.  
Arteriosclerosis and Thrombosis, 1994 vol. 14, 982-989

230. BONANNO E., MORABITO E., CORSICO N., MACCIOMEI M.C. and **SPAGNOLI L.G.**  
In vitro angiogenesis from streptozotocin induced diabetic rat aorta.  
VIII International Symposium on the Biology of vascular cells, Heidelberg, 1994. Abstract book, num. 31.

231. **SPAGNOLI L.G.**, MAURIELLO A., ORLANDI A.  
Age-dependent changes of relationship between smooth muscle cells and extracellular matrix in the rabbit aorta: part II.  
In: "1994 Report on Biology and Pathology of Cell-Matrix Interactions" (E. Bonucci Ed.); CLEUP Ed., Padova, 243-254, 1994

232. ORLANDI A, MARINO B, MAURIELLO A and **SPAGNOLI L.G.**  
Plasma triglycerides lowering in aged hyperlipemic rabbits induced by propionyl-l-carnitine is associated with a reduction of plaque cell proliferation rate and a modulation of plaque cell phenotype.  
VIIIth International Symposium on the Biology of Vascular Cells. Heidelberg, Abstract book, 266, 1994

233. MAURIELLO A., PALMIERI G., SANTEUSANIO G. and **SPAGNOLI L.G.** Relationships between risk factors and morphological patterns of human carotid atherosclerotic plaques analyzed by a multivariate discriminant analysis.  
Xth International Symposium on Atherosclerosis. Montreal, Abstract book, 327, 1994

234. ORLANDI A., MARINO B., MAURIELLO A., DE ANGELIS C., RAMACCI M.T. and **SPAGNOLI L.G.**

Progression of atherosclerotic lesions in aged rabbits is prevented by propionyl-L-carnitine which lowers plasma triglycerides and plaque cell proliferation rate.  
Xth International Symposium on Atherosclerosis. Montreal, Abstract book, 10, 1994

235. BONANNO E., MACCIOMEI M.C., ORLANDI A. , and **SPAGNOLI L.G.**

Vascular smooth muscle cells behaviour in 3-dimensional collagen gel

Eur.J. Histochem., 39, Suppl., 1995

236. SANTEUSANIO G., MAURIELLO A., CAROSI M., PARTENZI A., and **SPAGNOLI L.G.**

Valutazione densitometrica dei recettori per l'estrogeno ed il progesterone rilevati con il metodo immunoistochimico nei carcinomi della mammella e dell'endometrio.

Pathologica, 87 (4), 457, 1995

237. BAILESTRAZZI E; DE-MOLFETTA-V; SPADEA-L; VINCIGUERRA P; PALMIERI G;

SANTEUSANIO G; and **SPAGNOLI L.G.**

Histological, immunohistochemical, and ultrastructural findings in human corneas after photorefractive keratectomy.

J-Refract-Surg. 1995 May-Jun; 11(3): 181-7

238. TIRABOSCO-R; CAVAZZANA-AO; SANTEUSANIO-G; and **SPAGNOLI-L.G.**

Gastrointestinal stromal tumor: evidence for a smooth-muscle origin.

Mod-Pathol. 1995 Feb; 8(2): 193-6

239. SANTEUSANIO G., BONANNO E., MAURIELLO A., SCHIAROLI S., ANEMONA L., TICCONI C. and **SPAGNOLI L.G.:**

Adenocarcinoma of the vagina not associated with maternal DES exposure.

J Exp Clin Cancer Res 14, 301-306, 1995

240. **SPAGNOLI L.G.**, ORLANDI A, MARINO B, MAURIELLO A, DE ANGELIS C, RAMACCI MT.

Propionil-L-carnitine prevents the progression of atherosclerotic lesions in aged hyperlipemic rabbits.  
Atherosclerosis, 114, 29-44, 1995

241. MAURIELLO A, SANGIORGI G, ORLANDI A, SCHIAROLI S, PERFUMO S. and **SPAGNOLI LG.**

Effetti del trattamento a lungo termine con Propionil-L-Carnitina sulla poliploidia delle cellule muscolari lisce di aorta in ratti spontaneamente ipertesi.

Cardiologia, 40 (suppl. 2): 66, 1995

242. SANTEUSANIO G., MAURIELLO A., SCHIAROLI S., SARPERI A., COLANTONI A, CAROSI M, PARTENZI A. and **SPAGNOLI LG.**

Expression of apoptosis-suppressing protein Bcl-2 in breast carcinomas is associated with the presence of estrogen receptors and tumor diploidy.

Breast, suppl, 1995

243. ORLANDI A., BIANCHI L., MARINO B., **SPAGNOLI L.G..**, NINI G.

Intramuscular myxoma of the face : an unusual localization. A clinicopathological study.

Dermatol Surg 1995, 21 : 251-4

244. PASCAL RR., SANTEUSANIO G., CASTELLI M., and **SPAGNOLI L.G..**

Dysplasia and early adenocarcinoma of the colon and rectum : fact and considerations.

J Exp Clin cancer Res 1995, 14 : 415-25

245. **SPAGNOLI L.G.**, MAURIELLO A, ORLANDI A, SANGIORGI G, E. BONANNO  
Age-related changes affecting atherosclerotic risk. Potential for pharmacological intervention.  
Drugs and Aging 1996, 8: 1-25
246. ROSELLI M. GUADAGNI F. BUONOMO O. BELARDI A., VITTORINI V., CAVAZZANA A.,  
**SPAGNOLI L.G.**, CIPRIANI C. E CASCIANI C.U.  
Intraoperative Radioimmunolocalization of an Anti-CEA Mab F(ab)2 (F023C5) in CEA Serum-Negative Colorectal Cancer Patients.  
Anticancer Res. 16, 883-890, 1996
247. BUONOMO O., BELARDI A., DIODATI A., ANSELMI D., CAVAZZANA A., **SPAGNOLI L.G.**,  
CIPRIANI C : , CASCIANI CU., ROSELLI M.  
Clinical impact of radioimmunoguided surgery with 125-I-F(ab')2 anti-CEA F023C5 in colorectal carcinoma patients.  
J Chemotherapy 1996 ; 8 (suppl. 4) : 167-9
248. MAURIELLO A., ORLANDI A., SCHIAROLI S., SANGIORGI G. and **SPAGNOLI L.G.**  
Effect of long term treatment with propionyl-L-carnitine on smooth muscle cells polyploidy in spontaneously hypertensive rats.  
Hypertension, 28, 177-182, 1996
- 249 MAURIELLO A., PALMIERI G., SANGIORGI G., BONANNO E., POSTOLESE R., IPPOLITI A.  
and **SPAGNOLI L.G.**  
The granulation tissue as a destabilization factor of the carotid plaque of hyperfibrinogenic patients.  
In: "1996 Report on Biology and Pathology of Cell-Matrix Interactions" (E. Bonucci Ed.); CLEUP Ed., Padova, 1996, 23-33
- 250 ORLANDI A, MAURIELLO A., MARINO B. and **SPAGNOLI L.G.**  
Role of macrophagic cells in the development of cardiac fibrosis in the aged hyperlipemic rabbit model.  
In: "1996 Report on Biology and Pathology of Cell-Matrix Interactions" (E. Bonucci Ed.); CLEUP Ed., Padova, 1996, 35-49
- 251 SANTUESANIO G., MAURIELLO A., LIBERATI F., IAFRATE E., SCHIAROLI S., CAROSI M.,  
PARTENZI A., COLANTONI A. and **SPAGNOLI L.G.**  
Heat shock protein 27 (HPS 27) in breast carcinomas: correlation with tumor aneuploidy.  
Pathol International, 46 (suppl.1), 111, 1996
- 252 PRATICO' D., IULIANO L., **SPAGNOLI L.G.**.., MAURIELLO A., MACLOUF J., VIOLI F.,  
FITZGERALD GA.  
Monocytes in human atherosclerotic plaque contain high level of 8-epi PGF2a : an index of oxidative stress in vivo.  
Circulation, 94, n. 8 (suppl.): I-277, 1996
- 253) IULIANO L. PRATICO' D., MAURIELLO A., **SPAGNOLI L.G.**, LAWSON J, MACLOUF J.,  
FITZGERALD GA. and VIOLI F.  
*Localization of isoprostane, 8-epi PGF2a, in atherosclerotic lesions.*  
Nuclear Medicine Communications 1997, 18, 472

- 254) SANTEUSANIO G., IAFRATE E., PARTENZI A., MAURIELLO A., AUTELITANO F. and SPAGNOLI L.G.**  
A critical reassessment of the concept of c-cell hyperplasia of the thyroid. A quantitative immunohistochemical study.  
*Appl Immunohistochem*, 5: 160-172, 1997
- 255) MAURIELLO A., SANGIORGI G., PALMIERI G., PISTOLESE R., IPPOLITI A. and SPAGNOLI L.G.**  
Hyperfibrinogenemia and hypertriglyceridemia influence the histo-cytologic composition of atherosclerotic carotid plaques.  
*Atherosclerosis*, 1997, 134 :162
- 256) PRATICO D, IULIANO L, MAURIELLO A, SPAGNOLI L.G., LAWSON JA, MACLOUF J, VIOLI F, FITZGERALD GA.**  
*Localization of distinct F2-isoprostanes in human atherosclerotic lesions.*  
*J Clin Invest* 1997, 100(8), 2028-2034
- 257) MAURIELLO A., SANGIORGI G., EDWARDS W.D., SCHWARTZ R.S., PALMIERI G., PISTOLESE R., SPAGNOLI L.G.**  
*Increased Risk of Thrombosis and Carotid Plaque Rupture in Patients with Hyperfibrinogenemia: A Histopathological Analysis*  
*Circulation*, 1997, vol.96, no. 8 (suppl) : I-235
- 258) SANTEUSANIO G, VENTURA L, D'ALFONSO V, IAFRATE E, MAURIELLO A and SPAGNOLI L.G.**  
Tall cell variant of papillary thyroid carcinoma : a report of an incidental case with diffuse lymphocyte infiltration, an immunohistochemical study, and a review of the literature.  
*J Surg Pathol* , 1997 ; 2 : 269-75
- 259) SPAGNOLI L.G. and MAURIELLO A.**  
*Arteriosclerosi.*  
Enciclopedia Medica Italiana ( Aggiornamento II), UTET editore, Torino, 590-598, 1998
- 260) SPAGNOLI L.G., MAURIELLO A, BONANNO E, PALMIERI G, ANEMONA L.**  
Aspetti morfologici della placca complicata: la descrizione dell'anatomo-patologo.  
In: "Le complicanze della placca aterosclerotica: dalla fisiopatologia alla clinica", F.Russo, M.Marci e S. Raffa, eds. Casa Editrice Scientifica Internazionale, Roma, 1-12, 1998
- 261) SANTEUSANIO G., MAURIELLO A., LIBERATI F., VENTURA L., COLANTONI A and SPAGNOLI L.G.**  
Immunoistochemical evaluation of estrogen receptors in breast carcinomas: comparison of four monoclonal antibodies which recognizes different domains of estrogen receptor protein.  
*Clin Exp Pathol*, 46:314, 1998
- 262) ORLANDI A, BIANCHI L, and SPAGNOLI L.G.**  
Myxoid dermatofibrosarcoma protuberans: morphological, ultrastructural and immunohistochemical features.  
*J Cutan Pathol* 1998 Aug;25(7):386-93
- 263) KWON HM, SANGIORGI G, SPAGNOLI L.G., MIYAUCHI K, HOLMES DR JR, SCHWARTZ RS, LERMAN A**

Experimental hypercholesterolemia induces ultrastructural changes in the internal elastic lamina of porcine coronary arteries.  
Atherosclerosis 1998 Aug;139(2):283-9

**264) ORLANDI A, BIANCHI L, NINI G, and SPAGNOLI L.G.**  
Familial occurrence of pseudoxanthoma-elasticum-like papillary dermal elastolysis.  
J Eur Acad Dermatol Venereol 1998 Mar;10(2):175-8

**265) ORLANDI A, MARINO B, BRUNORI M, GRECO R, and SPAGNOLI L.G.**  
Lipomatous medulloblastoma.  
Clin Neuropathol 1997 Jul-Aug;16(4):175-9

**266) MAURIELLO A, BONANNO E, SANGIORGI G, PALMIERI G, ANEMONA L and SPAGNOLI L.G.**  
Plaque inflammation occurs in the entire coronary tree of patients died by acute myocardial infarction.  
J Hearth Disease, 1: 119, 1999

**267) SANGIORGI G, HASDAI D, MAURIELLO A, HOLMES DR Jr., SCHWARTZ RS, LERMAN A and SPAGNOLI L.G.**  
Increase rate of spontaneous cell death characterizes the vessel wall structural changes associated with early coronary atherosclerosis in porcine arteries.  
J Hearth Disease, 1: 77, 1999

**268) BONANNO E., GHIBELLI L, MAURIELLO A., ANEMONA L. and SPAGNOLI L.G.**  
Oxidative agents induce apoptosis in vascular smooth muscle cells from spontaneously hypertensive rats but not from Wistar-Kyoto rats.  
J Hearth Disease, 1: 388, 1999

**269) BONANNO E, MAURIELLO A, SANTEUSANIO G, PAGANI R, ANEMONA L and SPAGNOLI L.G.**  
Densitometric measurement in absolute values of estrogen receptors by immunohistochemistry in breast cancer frozen sections.  
Appl Immunohistochem Mol Morphol (AIMM), 1999, 7, 294-9.

**270) ORLANDI A, PICCIONE E, SESTI F, and SPAGNOLI L.G.**  
**Extramammary Paget's disease associated with intraepithelial neoplasia of the vulva**  
J Eur Acad Dermatol Venereol 1999 Mar;12(2):183-5

**271) AASDAI D, SANGIORGI G, SPAGNOLI L.G., SIMARI RD, HOLMES DR JR, KWON HM, CARLSON PJ, SCHWARTZ RS, LERMAN.**  
Coronary artery apoptosis in experimental hypercholesterolemia.  
Atherosclerosis 1999 Feb;142(2):317-25

**272) SANTEUSANIO G, VENTURA L, PARTENZI A, SPAGNOLI L.G., KRAUS FT**  
Omental endosalpingiosis with endometrial-type stroma in a woman with extensive hemorrhagic pelvic endometriosis.  
Am J Clin Pathol 1999 Feb;111(2):248-51

**273) BONANNO E, MAURIELLO A, PARTENZI A and SPAGNOLI L.G.**  
Flow cytometry analysis of atherosclerotic plaque cells from human carotids: a validation study.  
Cytometry, 2000, 39, 158-65

**274) MAURIELLO A., SANGIORGI G, PALMIERI G, VIRMANI R, HOLMES DR Jr, SCHWARTZ RS, PISTOLESE R, IPPOLITI A and SPAGNOLI L.G.**

*Hyperfibrinogenemia is associated with specific histo-cytologic composition and complications of atherosclerotic carotid plaques in patients affected by transient ischeamic attacks.*

Circulation, 2000; 101: 744-750

**275) IULIANO L., MAURIELLO A.,SBARIGIA E, SPAGNOLI L.G., VIOLI F.**

Radiolabeled native low-density lipoprotein injected into patients with carotid stenosis accumulates in macrophages of atherosclerotic plaque: effect of vitamin E supplementation.

Circulation , 2000; 101:1249-54

**276) ORLANDI A, MARCELLINI M, and SPAGNOLI L.G.**

Aging influences development and progression of early aortic atherosclerotic lesions in cholesterol-Fed rabbits.

Arterioscler Thromb Vasc Biol 2000 Apr;20(4):1123-36

**277) SIGNORE A, CHIANELLI M, ANNOVAZZI A, BONANNO E, SPAGNOLI L.G., POZZILLI P, PALLONE F, BIANCONE L.**

123I-interleukin-2 scintigraphy for in vivo assessment of intestinal mononuclear cell infiltration in Crohn's disease.

J Nucl Med 2000 Feb;41(2):242-9

**278) L.G. SPAGNOLI, L. ANEMONA**

Il Timoma. "Atti del Convegno", Roma, maggio 2000, 13-20.

**279) SANTEUSANIO G., MAURIELLO A., VENTURA L., LIBERATI F., COLANTONI A., LASORELLA R. AND SPAGNOLI LG.**

*Immunohistochemical analysis of estrogen receptors in breast carcinomas using monoclonal antibodies which recognize different domains of the receptor molecule.*

Applied Immunohistochem Mol Morphol (AIMM), 2000, 8: 275-284

**280) SANTEUSANIO G., VENTURA L, MAURIELLO A, CAROSI M, SPAGNOLI LG, MATURI P, TERRANOVA AND ROMANINI C.**

Isolated Ovarian metastases from a spinale cell malignant melanoma of the choroid 14 years after enucleation

Applied Immunoistochem Mol Morphol (AIMM), 2000, 8: 329-333

**281) SANGIORGI, G, D'AVERIO R, MAURIELLO A., BONDIO M., POSTILLO M, CASTELVECCHIO S., TRIMARCHI S., NANO G., RAMPOLLI V., SPAGNOLI LG, INGLESE L.**

Plasma levels of metalloproteinases-3 and -9 as markers of successful abdominal aortic aneurysm exclusion after endovascular graft treatment"

Circulation. 2001 Sep 18;104(12 Suppl 1):I288-95.

**282) A.A. KOTLYAR, Z. VERED, I. GOLDBERG, P. CHOURAQUI, D. NASS. E. FRIDMAN. Z. CHEN-LEVY, S. FYTLOVICH, G. SANGIORGI, L.G. SPAGNOLI, A. ORLANDI, N. SAVION, M. ELDAR and M. SCHEINOWITZ**

Insulin like growth factor i and II preserve muocardial structure in post infarction swine Heart. 2001 Dec;86(6):693-700

**283) RAJAMANNAN NM, SANGIORGI G, SPRINGETT M, ARNOLD K, MOHACSI T, SPAGNOLI LG, EDWARDS WD, TAJIK AJ, SCHWARTZ RS.**

Experimental hypercholesterolemia induces apoptosis in the aortic valve.

J Heart Valve Dis 2001 May;10(3):371-4

**284) A. ORLANDI, E. PICCIONE, A. FRANCESCONI and L.G. SPAGNOLI**

Simultaneous vulvar intraepithelial neoplasia and paget's disease: report of two cases.

Int J Gynecol Cancer. 2001 May-Jun;11(3):224-8

**285) A. ORLANDI, A. FRANCESCONI, A. CORSINI, D. COCCHIA, L. G. SPAGNOLI**

Phenotypic heterogeneity influences retinoic acid-induced susceptibility of rat aortic smooth muscle cells in vitro: implication for the progression of experimental intimal thickening.

Arterioscler Thromb Vasc Biol. 2001, 21, 1118-1123

**286) SPAGNOLI LG and MAURIELLO A.**

High fibrinogen levels and transient ischemic attacks

Cardiology Review, 2001, 18: 35-39

**287) SPAGNOLI LG, ANEMONA L, BONANNO E e MAURIELLO A.**

Lesioni carotidi aterosclerotiche: correlazioni anatomo-cliniche.

Pathologica, 2001, 93: 357-359

**288) SPAGNOLI LG, MAURIELLO A, FRATONI S, BONANNO E, ANEMONA L, PALMIERI G.**

Ipertensione arteriosa e patologia vascolare.

In: "Ipertensione arteriosa: dall'istopatogenesi del danno d'organo agli eventi clinici maggiori", F. Russo e F. Vetta Editors, 2001: 3-13

**289) ORLANDI A, FERLOSIO A, DELL'ANNA V, QUITADAMO R, PELLEGRINO A, SPAGNOLI LG.**

Undifferentiated sarcoma of the heart: a rare clinicopathologic presentation

J Thorac Cardiovasc Surg 2002 Jul;124(1):192-3

**290) SPAGNOLI LG, MAURIELLO A, FRATONI S, ANEMONA L, BONANNO E.**

Fattori di rischio degli episodi ischemici cerebrali transitori:

iperfibrinogenemia e istopatologia carotidea.

Recenti Prog Med 2002 May; 93(5):318-21

**291) A. ORLANDI, M. MARCELLINI, D. PESCE, M. CALVANI, L.G. SPAGNOLI**

Propionyl-L-carnitine reduces intimal hyperplasia after injury in normocholesterolemic rabbit carotid artery by modulating proliferation and caspase 3-dependent apoptosis of vascular smooth muscle cells.

Atherosclerosis. 2002 Jan;160(1):81-9

**292) BONANNO E, TAGLIAFIERRO G, CARLA EC, MONTINARI MR, PAGLIARA P, MASCETTI G, SPAGNOLI LG, DINI L.**

Synchronized onset of nuclear and cell surface modifications in U937 cells during apoptosis.

Eur J Histochem 2002;46(1):61-74

**293) ORLANDI A, FRANCESCONI A, CLEMENT S, ROPRAZ P, SPAGNOLI LG, GABBIANI G.**

High levels of cellular retinol binding protein-1 expression in leiomyosarcoma: possible implications for diagnostic evaluation.

Virchows Arch. 2002 Jul;441(1):31-40

**294) BIANCONE L, GEBOES K, SPAGNOLI LG, DEL VECCHIO BLANCO G, MONTELEONE I, VAVASSORI P, PALMIERI G, CHIMENTI S, PALLONE F**  
Metastatic Crohn's disease of the forehead.  
*Inflamm Bowel Dis* 2002 Mar;8(2):101-5

**295) IULIANO L, MICHELETTA F, VIOLI F, SPAGNOLI LG.**  
Effect of ramipril and vitamin E on atherosclerosis.  
*Circulation* 2002 Jan 15;105(2):E5-6

**296) FEDERICI M, MENGHINI R, MAURIELLO A, HRIBAL ML, FERRELLI F, LAURO D, SBRACCIA P, SPAGNOLI LG, SESTI G, LAURO R.**  
Insulin-dependent activation of endothelial nitric oxide synthase is impaired by O-linked glycosylation modification of signaling proteins in human coronary endothelial cells.  
*Circulation*. 2002 Jul 23;106(4):466-72

**297) SPAGNOLI LG, BONANNO E, MAURIELLO A, PALMIERI G, PARTENZI A, SANGIORGI G AND CREA F.**  
Multicentric inflammation in epicardial coronary arteries of patients dying after acute myocardial infarction  
*J Am Coll Cardiol.* 2002 Nov 6;40(9):1579-88)

**298) ORLANDI A, FRATONI S, HERMANN I, SPAGNOLI LG.**  
Symptomatic laryngeal nodular chondrometaplasia: a clinicopathological study.  
*J Clin Pathol.* 2003 Dec;56(12):976-7.

**299) CARBONE GL, MAURIELLO A, CHRISTIANSEN M, OXVIG C, SPAGNOLI LG, SCHWARTZ RS, SANGIORGI G**  
[Unstable carotid plaque: biochemical and cellular marker of vulnerability]  
*Ital Heart J Suppl.* 2003 May;4(5):398-406.

**300) ORLANDI A, BIANCHI L, FERLOSIO A, INNOCENZI I, SPAGNOLI LG.**  
The origin of osteoclast-like giant cells in atypical fibroxanthoma.  
*Histopathology.* 2003 Apr;42(4):407-10.

**301) SUURMEIJER AJ, CLEMENT S, FRANCESCONI A, BOCCHI L, ANGELINI A, VAN VELDHUISEN DJ, SPAGNOLI LG, GABBANI G, ORLANDI A.**  
Alpha-actin isoform distribution in normal and failing human heart: a morphological, morphometric, and biochemical study.  
*J Pathol.* 2003 Mar;199(3):387-97.

Orlandi A, Ferlosio A, Pellegrino A, **Spagnoli LG.**  
Right atrial hemangioma: clinicopathological considerations of a case.  
*Interact Cardiovasc Thorac Surg.* 2003 Mar;2(1):38-9.

**302) ORLANDI A, FERLOSIO A, CIUCCI A, PELLEGRINO A, SPAGNOLI LG.**  
Unusual cardiac tumour with perivascular myoid differentiation: a case report.  
*J Clin Pathol.* 2004 Dec;57(12):1338-40.

**303) ORLANDI A, FRANCESCONI A, MARCELLINI M, FERLOSIO A, SPAGNOLI LG.**  
Role of ageing and coronary atherosclerosis in the development of cardiac fibrosis in the rabbit.

Cardiovasc Res. 2004 Dec 1;64(3):544-52.

- 304) ORLANDI A, FERLOSIO A, CIUCCI A, SESTI F, LIFSCHITZ-MERCER B, GABBANI G, **SPAGNOLI LG**, CZERNOBILSKY B  
Cellular retinol-binding protein-1 expression in endometrial stromal cells: physiopathological and diagnostic implications.  
*Histopathology*. 2004 Nov;45(5):511-7.
- 305) **SPAGNOLI LG**, MAURIELLO A, SANGIORGI G, FRATONI S, BONANNO E, SCHWARTZ RS, PIEPGRAS DG, PISTOLESE R, IPPOLITI A, HOLMES DR JR.  
Extracranial thrombotically active carotid plaque as a risk factor for ischemic stroke.  
*JAMA*. 2004 Oct 20;292(15):1845-52.
- 306) BIANCHI L, ORLANDI A, CAMPIONE E, ANGELONI C, COSTANZO A, **SPAGNOLI LG**, CHIMENTI S.  
Topical treatment of basal cell carcinoma with tazarotene: a clinicopathological study on a large series of cases.  
*Br J Dermatol*. 2004 Jul;151(1):148-56.
- 307) ABBATE A, BONANNO E, MAURIELLO A, BUSSANI R, BIONDI-ZOCCAI GG, LIUZZO G, LEONE AM, SILVESTRI F, DOBRINA A, BALDI F, PANDOLFI F, BIASUCCI LM, BALDI A, **SPAGNOLI LG**, CREA F.  
Widespread myocardial inflammation and infarct-related artery patency.  
*Circulation*. 2004 Jul 6;110(1):46-50. Epub 2004 Jun 21.
- 308) PUCCI S, BONANNO E, PICHIORRI F, MAZZARELLI P, **SPAGNOLI LG**.  
The expression and the nuclear activity of the caretaker gene ku86 are modulated by somatostatin.  
*Eur J Histochem*. 2004 Apr-Jun;48(2):103-10.
- 309) GARG SK, VOLPE E, PALMIERI G, MATTEI M, GALATI D, MARTINO A, PICCIONI MS, VALENTE E, BONANNO E, DE VITO P, BALDINI PM, **SPAGNOLI LG**, COLIZZI V, FRAZIANO M.  
Sphingosine 1-phosphate induces antimicrobial activity both in vitro and in vivo.  
*J Infect Dis*. 2004 Jun 1;189(11):2129-38. Epub 2004 May 10.
- 310) SILERI P, SICA G, GENTILESCHE P, VENZA M, MANZELLI A, PALMIERI G, **SPAGNOLI LG**, TESTA G, BENEDETTI E, GASPARI AL.  
Ischemic preconditioning protects intestine from prolonged ischemia.  
*Transplant Proc*. 2004 Mar;36(2):283-5.
- 311) CONTINO G, AMATI F, PUCCI S, PONTIERI E, PICHIORRI F, NOVELLI A, BOTTA A, MANGO R, NARDONE AM, SANGIUOLO FC, CITRO G, **SPAGNOLI LG**, NOVELLI G.  
Expression analysis of the gene encoding for the U-box-type ubiquitin ligase UBE4A in human tissues.  
*Gene*. 2004 Mar 17;328:69-74.
- 312) MONTELEONE G, DEL VECCHIO BLANCO G, PALMIERI G, VAVASSORI P, MONTELEONE I, COLANTONI A, BATTISTA S, **SPAGNOLI LG**, ROMANO M, BORRELLI M, MACDONALD TT, PALLONE F.  
Induction and regulation of Smad7 in the gastric mucosa of patients with Helicobacter pylori infection.  
*Gastroenterology*. 2004 Mar;126(3):674-82.

313) PUCCI S, BONANNO E, PICHIORRI F, ANGELONI C, **SPAGNOLI LG.**

Modulation of different clusterin isoforms in human colon tumorigenesis.

Oncogene. 2004 Mar 25;23(13):2298-304.

314) ORLANDI A, CIUCCI A, FERLOSIO A, PELLEGRINO A, CHIARIELLO L, **SPAGNOLI LG.**

Increased expression and activity of matrix metalloproteinases characterize embolic cardiac myxomas.

Am J Pathol. 2005 Jun;166(6):1619-28.

315) MAURIELLO A, SANGIORGI G, FRATONI S, PALMIERI G, BONANNO E, ANEMONA L,

SCHWARTZ RS, **SPAGNOLI LG.**

Diffuse and active inflammation occurs in both vulnerable and stable plaques of the entire coronary tree: a histopathologic study of patients dying of acute myocardial infarction.

J Am Coll Cardiol. 2005 May 17;45(10):1585-93. Epub 2005 Apr 25.

316): GARCIA-TOUCHARD A, HENRY TD, SANGIORGI G, **SPAGNOLI LG**, MAURIELLO A,

CONOVER C, SCHWARTZ RS.

Extracellular proteases in atherosclerosis and restenosis.

Arterioscler Thromb Vasc Biol. 2005 Jun;25(6):1119-27. Epub 2005 Mar 31.

317) ORLANDI A, PUCCI S, CIUCCI A, PICHIORRI F, FERLOSIO A, **SPAGNOLI LG.**

Modulation of clusterin isoforms is associated with all-trans retinoic acid-induced proliferative arrest and apoptosis of intimal smooth muscle cells.

Arterioscler Thromb Vasc Biol. 2005 Feb;25(2):348-53. Epub 2004 Dec 9.

318) ORLANDI A, FERLOSIO A, GABBIANI G, **SPAGNOLI LG**, EHRLICH PH.

Phenotypic heterogeneity influences the behavior of rat aortic smooth muscle cells in collagen lattice.

Exp Cell Res. 2005 Dec 10;311(2):317-27. Epub 2005 Nov 2

319) **SPAGNOLI LG**, VENTURINI C.

[Human tissue banks: objectives and regulatory aspects in Italy and Europe]

Pathologica. 2005 Aug;97(4):192-3. Italian. No abstract available.

320) ANNOVAZZI A, BONANNO E, ARCA M, D'ALESSANDRIA C, MARCOCCIA A, **SPAGNOLI LG**, VIOLI F, SCOPINARO F, DE TOMA G, SIGNORE A.

99mTc-interleukin-2 scintigraphy for the in vivo imaging of vulnerable atherosclerotic plaques.

Eur J Nucl Med Mol Imaging. 2006 Feb;33(2):117-26. Epub 2005 Oct 12

321) ORLANDI A, BOCHATON-PIALLAT ML, GABBIANI G, **SPAGNOLI LG.**

Aging, smooth muscle cells and vascular pathobiology: implications for atherosclerosis.

Atherosclerosis. 2006 Oct;188(2):221-30. Epub 2006 Feb 17.

322) ORLANDI A, CIUCCI A, FERLOSIO A, GENTA R, **SPAGNOLI LG**, GABBIANI G.

Cardiac myxoma cells exhibit embryonic endocardial stem cell features.

J Pathol. 2006 Jun;209(2):231-9.

323) ORLANDI A, FERLOSIO A, CIUCCI A, FRANCESCONI A, LIFSCHITZ-MERCER B, GABBIANI G, **SPAGNOLI LG**, CZERNOBILSKY B.

Cellular retinol binding protein-1 expression in endometrial hyperplasia and carcinoma: diagnostic and possible therapeutic implications.  
Mod Pathol. 2006 Jun;19(6):797-803.

324) CANDI E, RUFINI A, TERRINONI A, DINSDALE D, RANALLI M, PARADISO A, DE LAURENZI V, **SPAGNOLI LG**, CATANI MV, RAMADAN S, KNIGHT RA, MELINO G.  
Differential roles of p63 isoforms in epidermal development: selective genetic complementation in p63 null mice.  
Cell Death Differ. 2006 Jun;13(6):1037-47.

325) SANGIORGIO G, MAURIELLO A, BONANNO E, OXVIG C, CONOVER CA, CHRISTIANSEN M, TRIMARCHI S, RAMPOLDI V, HOLMES DR JR, SCHWARTZ RS, **SPAGNOLI LG**.  
Pregnancy-associated plasma protein-a is markedly expressed by monocyte-macrophage cells in vulnerable and ruptured carotid atherosclerotic plaques: a link between inflammation and cerebrovascular events.  
J Am Coll Cardiol. 2006 Jun 6;47(11):2201-11. Epub 2006 May 15.

326) CARUSO R, PALLONE F, FINA D, GIOIA V, PELUSO I, CAPRIOLI F, STOLFI C, PERFETTI A, **SPAGNOLI LG**, PALMIERI G, MACDONALD TT, MONTELEONE G.  
Protease-activated receptor-2 activation in gastric cancer cells promotes epidermal growth factor receptor trans-activation and proliferation.  
Am J Pathol. 2006 Jul;169(1):268-78

327) Orlandi A, Francesconi A, Marcellini M, Di Lascio A, **Spagnoli LG**.  
Propionyl-L-carnitine reduces proliferation and potentiates bax-related apoptosis of aortic intimal smooth muscle cells by modulating nuclear factor-kappab activity.  
J Biol Chem. 2006 Dec 17

328) **SPAGNOLI LG**, PUCCI S, BONANNO E, CASSONE A, SESTI F, CERVO A and MAURIELLO A.  
Persistent chlamydia pneumoniae infection of cardiomyocytes is correlated with fatal myocardial infarction  
Am J Pathol. 2007 Jan;170(1):33-42

329) **Spagnoli LG**, Bonanno E, Sangiorgi G, Mauriello A.  
Role of inflammation in atherosclerosis.  
J Nucl Med. 2007 Nov;48(11):1800-15. Epub 2007 Oct 17.

330) Orlandi A, Francesconi A, Ferlosio A, Di Lascio A, Marcellini M, Pisano C, **Spagnoli LG**.  
Propionyl-L-carnitine prevents age-related myocardial remodeling in the rabbit.  
J Cardiovasc Pharmacol. 2007 Aug;50(2):168-75

331) Orlandi A, Francesconi A, Angeloni C, Palmieri G, Fulvia G, Ciotti M, Criscuolo A, Sesti F, **Spagnoli LG**.  
Prevalence and genotyping of human papillomavirus infection in women with vulvodynia.  
Acta Obstet Gynecol Scand. 2007;86(8):1003-10.

332) Ricci F, Pucci S, Sesti F, Missiroli F, Cerulli L, **Spagnoli LG**.  
Modulation of Ku70/80, clusterin/ApoJ isoforms and Bax expression in indocyanine-green-mediated photo-oxidative cell damage.  
Ophthalmic Res. 2007;39(3):164-73. Epub 2007 May 25

333) Orlandi A, Francesconi A, Marcellini M, Di Lascio A, **Spagnoli LG**. Propionyl-L-carnitine reduces proliferation and potentiates Bax-related apoptosis of aortic intimal smooth muscle cells by modulating nuclear factor-kappaB activity. *J Biol Chem.* 2007 Feb 16;282(7):4932-42. Epub 2006 Dec 17.

334) MAZZARELLI P, PUCCI S, BONANNO E, SESTI F, CALVANI M, **SPAGNOLI LG**. Carnitine palmitoyltransferase I in human carcinomas: a novel role in histone deacetylation? *Cancer Biol Ther.* 2007;6:1606-1613.

335) BONANNO E, RULLI F, GALATA G, PUCCI S, SESTI F, FARINON AM, **SPAGNOLI LG**. Stool test for colorectal cancer screening: what is going on? *Surg Oncol.* 2007;16 Suppl 1:S43-45.

336) ZUENA AR, MAIRESSE J, CASOLINI P, CINQUE C, ALEMA GS, MORLEY-FLETCHER S, CHIODI V, **SPAGNOLI LG**, GRADINI R, CATALANI A, NICOLETTI F, MACCARI S. Prenatal restraint stress generates two distinct behavioral and neurochemical profiles in male and female rats. *PLoS ONE.* 2008;3:e2170.

337) TRAPASSO F, PICHIORRI F, GASPARI M, PALUMBO T, AQEILAN RI, GAUDIO E, OKUMURA H, IULIANO R, DI LEVA G, FABBRI M, BIRK DE, RASO C, GREEN-CHURCH K, **SPAGNOLI LG**, VENUTA S, HUEBNER K, CROCE CM. Fhit interaction with ferredoxin reductase triggers generation of reactive oxygen species and apoptosis of cancer cells. *J Biol Chem.* 2008;283:13736-13744.

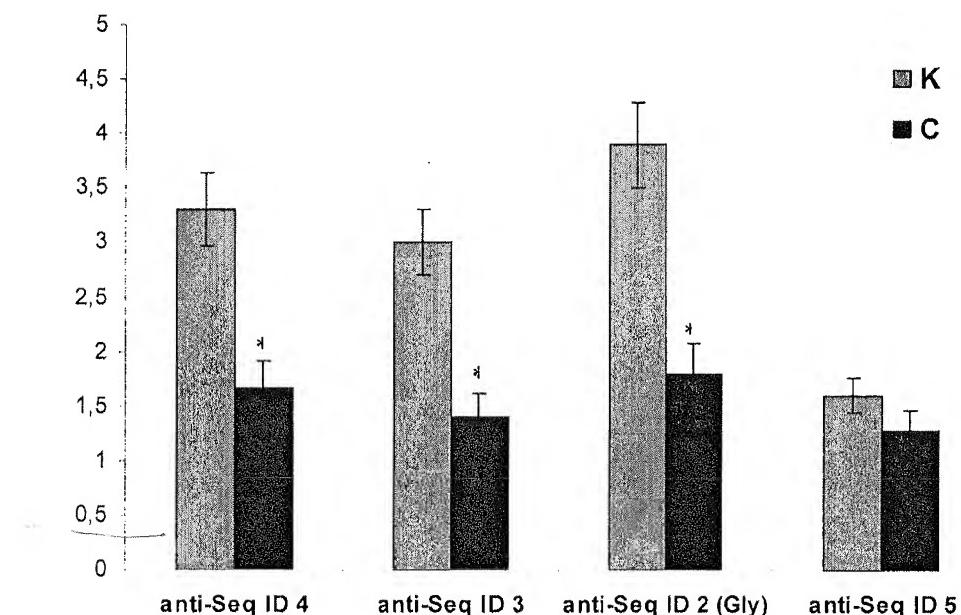
338) LOMBARDO C, ALBANESE D, BELARDELLI F, D'ALESSANDRO F, GIACOMINI M, RONDANINA T, **SPAGNOLI LG**. Training and mobility: a priority for the Organisation of the European Cancer Institutes. How a national mobility initiative could enhance EU cooperation in cancer research contributing to the development of an European Research Area: the example of The Italian Comprehensive Cancer Centers' Network "alleanza Contro il Cancro". *Tumori.* 2008;94:147-153.

339) CASTELLANO I, SAPINO A, ARISIO R, VIALE G, BUSSOLATI G, BANDELLONI R, BARRESI G, BERSIGA A, BORDI C, BOTTI G, COSIMI F, D'AMORE E, DOGLIONI C, MARCHETTI A, NAPPI O, ROMEO F, RONCALLI M, RUSSO R, SANTINELLI A, **SPAGNOLI LG**, TANDA F, TRICOMI P, TRENTINI G, ZANCONATI F, IURLARO M. Fluorescent in situ hybridization as a screening test for HER2 amplification in G2 and G3 breast cancers of lobular and ductal histotype and metastases. *Oncol Rep.* 2008;19:1271-1275.

340) COLI S, MAGNONI M, SANGIORGI G, MARROCCO-TRISCHITTA MM, MELISURGO G, MAURIELLO A, **SPAGNOLI LG**, CHIESA R, CIANFLONE D, MASERI A. Contrast-enhanced ultrasound imaging of intraplaque neovascularization in carotid arteries. Correlation with histology and plaque echogenicity. *J Am Coll Cardiol* 2008 (in press)

## **Exhibit B**

**Figure 1.** Sensitivity and specificity of antibodies against secreted CLU (anti-SEQ ID n.2, n.3, n.4) and anti-SEQ ID n.5 (see D1 document) tested by sandwich ELISA.



Sandwich ELISA was performed coating the plate with anti-Clu- $\alpha/\beta$  (H-330, sc-8354, Santa Cruz Biotechnologies) and detecting the protein with antibodies raised against secreted CLU (**anti-SEQ ID n.2, n.3, n.4**) or anti-rat Clu (**SEQ ID n.5**) rabbit antibodies. All experiments were performed in triplicate. Representative data are shown. Values are means  $\pm$  standard deviations (error bars). The invented oligoclonal antibodies (Seq. ID n.2, 3 and 4) display higher sensitivity and specificity, compared to antibody raised against Seq. ID n.5 in detecting secreted Clusterin. \* Student's T-test, K vs C:  $p \leq 0.05$ . K= cancer patients) C= healthy controls.

**SEQ ID 5 (document D1) could be not be used to discriminate cancer from healthy patients because the clusterin determination in healthy and cancer patients displays overlapped error bars ( $p \geq 0.05$ ).**